Laumdry Journall

HOW TO INCREASE SALES
AND IMPROVE PRODUCTION

Page 51

PARADE OF SPECIAL PROGRESS WARD WINNING ENTRIES

EUYER'S GUIDE





GUIDEBOOK ISSUE

at the Laundry Industry

BISHOP Laundry WORK-SAVERS

Cut costs - boost production and profit

STARCH COOKERS

All copper, double-walled permanently insulated. In 3 sizes: (15-gal.) B3-2, (25-gal.) B3-5, (50-gal.) B3-11.





RISHOT

Leak-Pruid Laundry

Bronze . . Trouble free.
No packing . . No leaky
joints. Available in sizes to
fit all makes and models of
laundry and drycleaning
presses.



BISHOP Lifetime STAINLESS STEEL TRUCK TUB

Made of stainless steel. No rust, corrosion. In 3 sizes: 82-5 (-2) 22" x 34" x 25" deep; 82-13 (-3) 26" x 36" x 25" deep



SUPERSPRAY BOOSTS PRODUCTION

Fits every hand smoothly, comfortably. Just grab it, squeeze it! Instant action! Lightest . . Fastest . . Easiest to operate!



LIQUID SOAP MAKER

Saves time and supplies. Galv. steel in 3 sizes: (30-gal.) B6-1, (60-gal.) B6-2, (100-gal.) B6-3.



Heads till over board; no reaching. B5-18X (shown): #3, #22, #52 heads, spray iron, spray gun.



10-Bin Unit 829-VIOS

SAVE \$1,000 Annually (and 50% of sorting time) per Shirt Unit!

Sort at the Folder

SHIRT-BIN UNITS
for Any Lot System



BISHOP 3-SHELF TRANSPORTER

Model 829-11

For finished work. 26" wide x 18" deep x 64" high.



15-BIN



e flant... In 37 shave flant

20-BIN

from 13' above floor... to 37' where floor

BISHOP SHIRTRANSPORTS



Cut handling %; fold up to save space. All steel. In 2 sizes: B29-50 (for 50 shirts); B29-100 (100 shirts).

REVOLVING

50 bins in arm's reach to sort twice as fast in half space. Turns at flick of finger; holds 500 shirts Wan't sip. No. B26-10.







Bid goedbye to the shirt-sorting department . . . its labor, its space, its walking and hendling. Stop mix-ups, losses, service delays. Now your folders can do the sorting-faster, better, more ecanomically, and give you 50% more sering-with Bishop Felder-Serters. You save at least one handling per shirt. Bundles go direct from folder to checker-wrapper without in-between headling that causes losses and breaks down quality. With a Bishop 10-Bin, 15-Bin or 20-Bin Folder-Serter at each shirt table, your folders sert as they go—without loss of folding production, with tower sorting errors—and cut hours per day from bundle-processing time. Users report lower claims, improved quality, faster service, with reduced labor cast. Savings amount to aver \$1,000 yearly for each shirt unit!

MODELS TO MEET EVERY NEED

FOR SHIRTS ONLY (BINS 10" WIDE, 15" HIGH, 18" DEEP) 10-Bin Unit, Model 829-10108 10-Bin Unit, Model 829-10101 15-Bin Unit, Model 829-15101 20-Bin Unit, Model 829-20101

For Shirts & Wearing Apparel (BINS 13" WIDE x 15" x 18") 10-Bin Unit, Model B29-10138 10-Bin Unit, Model B29-10131 15-Bin Unit, Model B29-15131 20-Bin Unit, Model B29-20131

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Q1950 B.D.F.CO.



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Miller was well and the first of

2-Position Side-or-Front Pedd/Natic SHIRT FOLDER BISHOP

... suited to EVERY operator

CONVERTS from either position to the other in just 5 SECONDS



Operator simply turns table top PATENTED AND to side or frent position, then raises or lowers top extension as shown

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Now - for the first time -

a folder suited to every operator, whether trained for side-fold or front-fold. No loss of production when substituting operators.

ONLY 6 STEPS TO FOLD EVERY

SHIRT-FOLDING ARMS

cut training time . . . boost production 10%

> ...with QUALITY CONTROL ALL THE WAY!















SO EASY...EVEN BEGINNERS BECOME EXPERT IN A DAY OR LESS

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MERS. EVANSTON ILLINOIS U.S.A.



PUBLISHED MONTHLY SINCE 1893

VOL. LXV, NO. 10, OCTOBER 15, 1958

READER'S GUIDE

The Parade of Progress 51 Introduction The Lost Customers . . . Where Did They Go? By John K, Witherspoon The Business Is There . . . Just Ask for It! By John Philip Creene 56 Our Five-Point Sales Program By Irving A. Spalding, Jr. . . 61 Any Plant Can Be Improved By William B, Katz 67 Planning for Production By Robert L. Larsen Presentation of Awards..... Production and Management Data (Detailed contents at right) **Departments** Rhapsody in Bellew Editorial 48 LCATA New England Clinic, Program and Exhibitors 152 In the Wash 308 **Buyers' Guide**

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STARCHROOM LAUNDRY JOURNAL, October, 1958, Published monthly by Business Papers Division, The Reuben H. Donnelley Corporation. Executive and Editorial Offices, 305 East 45th Street, New York 17, N. Y. Volume LXV, No. 10. Entered as 2nd class matter June 1, 1948, at the Post Office, Loncaster, Pa., under the act of March 3, 1879.

PRODUCTION AND MANAGEMENT

Washroom Information Washer capacities Weight of family laundry; Weight of linen supply 83 Mildew control Absorbency of cotton fabrics; Reclamation Wash-and-wear care; Radioactive linen Bluing, bleaching and souring data 87 90 Starching data **Drying and Finishing Information** Extraction data Tumbling data Ironer data Production Standards Standards and incentives Operator production standards Water Supply Water hardness data; What is pH? Titration; Water heads; Pipe dimensions Pump efficiency; Pipe expansion Power plant requirements; Boiler efficiency; Boiler. efficiency chart for natural gas 101 Computing oil consumption; Boiler failures 102 Steam cost chart; Storage heater requirements... 103 Computing heat loss in flue; Pipe sizes 104 Internal boiler treatment chemicals; Table of Specifications for fuel oil; Boiler combustion chambers; Steam-line suggestions, sizes; Steam **Useful Information** Flexible metal hose; Pipes; Flow of liquid 107 Water hammer cure; Capacities 108 Fur conditioning; Glazing chart; Fumigation cabi-Fur cleaning classification; Relative humidity; Vault Burning tests for natural and synthetic fibers; Labels—what they mean; Recommended finishing ranges 112 Finishing synthetics; Fur-like fabrics 113



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RAYLENE®, fluorescent-type sour, shortens washing formula . . . makes bluing old-fashioned. Added dry to the wheel, makes whites dazzling; colors brilliant!

You see, Wyandotte makes a superior product for every washroom purpose. And whatever the product, you are assured of better results at lower use-cost every time! Call your Wyandotte man in, today, for a convincing demonstration in your plant. Ask him, too, about the benefits of quantity buying. Wyandotte Chemicals Corporation, Wyandotte, Michigan. Also Los Nietos, California. Offices in principal cities.



J. B. FORD DIVISION

SPECIALISTS IN LAUNDRY WASHING PRODUCTS

STARCHROOM LAUNDRY JOURNAL



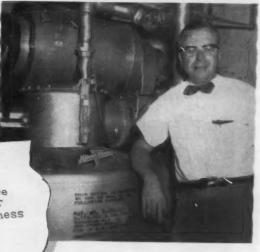
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I INSTALLED VIC EQUIPMENT IN MY NEW PLANT because

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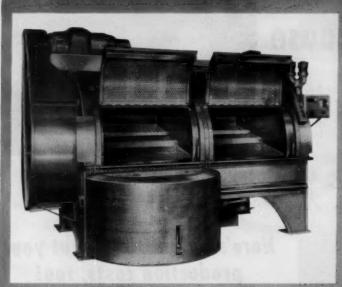
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give you superb "no-maintenance" performance backed by the industry's only

5-YEAR GUARANTY



ILLUSTRATED: C/L 60" x 96" Pullman Slide-Out Washer with 4 compartments, 4 doors. Dry weight capacity 900 lbs. Special low-front design for rapid and effortless unloading. This Washer, with single-end drive and hinged doors, is also available . . . as are all C/L Washers . . . with double-end drive or with sliding doors.

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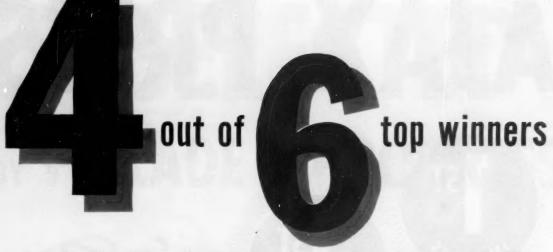
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in Parade of Progress Contest use

Pennsalt Laundry Products

Results of the Parade of Progress Contest give additional proof of the usefulness of Pennsalt laundry products when it comes to increasing washroom productivity and laundry sales volume.

But product usefulness is only a part of the Pennsalt success story. There is the extra value of Pennsalt service which brings trained men to help you find practical answers to all kinds of operating and sales problems. And there is Pennsalt research constantly at work improving existing products... seeking new products to meet new conditions in the industry.

Over the years, the combination of Pennsalt service and research has developed such widely used products as the Pensal® alkalies, Erusto-Ray® sours, ERUSTICATOR® stain remover and many others.

And in the past year alone, Pennsalt brought out three useful new products: CLOREZE* dedusted, fast-acting organic dry bleach; WHITEGARD* fabric conditioner that acts as an anti-chlor and whitener; and PENNSTARCH*, the new wheat-based starch with instant dispersion.

Count on Pennsalt—as the winners of the Parade of Progress Contest do—for products and service that assure you increased washroom productivity and increased sales volume. There is a Pennsalt laundry product for every operation where supplies are added to the wheel.

*Trademark Pennsalt Chemicals Corp.

Laundry and Dry Cleaning Department 665
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DUPONT LAUNDRY WASHINGTON

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ES SELECTED BY PARADE OF PROGRESS

Prize Winners

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W. B. Katz



A wise investment is one which nets a good profit return . . . and investing in Ajax Laundry and Drycleaning Equipment will increase your profits

with

SINCE 1929

"A Press for Every Purpose"

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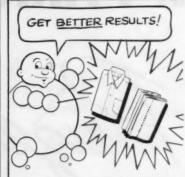
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NEW ACTIVATED PREME SOMP



WITH MORE WASHING POWER PER POUND





PERFECT BALANCE OF SPECIAL SOAPS AND HIGH POTENCY ALKALI (OH)

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USE LESS... GET BETTER RESULTS

New Activated PRIME SOHP is a powerful, complete soap, super-charged with newly developed washing ingredients — each one designed to perform a specific job. Now, with less, you get more beautiful work than ever before,

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Washington, D. C.

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"Poly" and tape do so much for a sweater!



See your supplier now for economical "SCOTCH" BRAND Cellophane Tape and the "SCOTCH" M-92 Definite-Length Dispenser that delivers premeasured lengths at a touch!

True! "Poly" does a lot for the sweater that does so much for Polly. Sparkling clear polyethylene bags give you these "plus" values . . .

1. BETTER-LOOKING PACKAGES. Sweaters (and other garments too) show off to best advantage... "advertise" their just-cleaned freshness and softness... let your customers see and feel the extra care and quality of your service.

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"SCOTCH" BRAND Cellophane Tape is the perfect sealer and ticketholder for all poly bags . . . crystal clear for neat appearance, sticks tight at a touch, removes quick and clean to protect bags' re-usability.

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for the Cleaning Industry

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IT'S BIG! Load area is 66 in. high, 66 in. wide, 84 in. long. Takes 120 full-length cleaning bags or 1000-lb. payloads of laundry and dry wash. Driver's walk-through aisle adds an extra 28 in. of usable load length.



A NEW ERA OF LOW-COST



IT'S ECONOMICAL!

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IT'S LITTLE! Only 13 ft. overall! Parks in tight places, garages in small space. Short 96-in. wheelbase permits a turning radius of only 17 ft.—less than the width of a city street. Big windshield for excellent visibility.

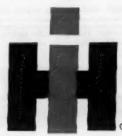
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INTERNATIONAL METRO-MITE

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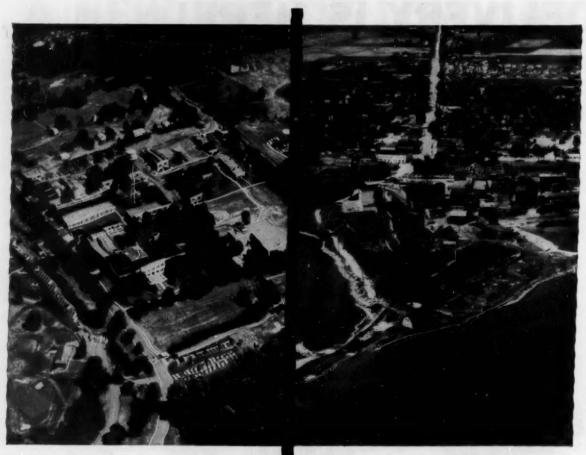
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McCormick® Farm Equipment and Farmall® Tractors

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New improved Huron® Instant Starch example of plant-lab cooperation

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RESEARCH—On this spacious site outside Wilmington, Delaware, Hercules maintains one of the most extensive research laboratories in the chemical industry. It is here that the entire line of Huron starches and the basic chemistry involved in their manufacture are continually studied. Such research is just one reason for Huron leadership,

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HURON MILLING DIVISION

Virginia Cellulose Department



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INCORPORATED

900 Market Street, Wilmington 99, Delaware

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THE 1959

KAL-VEND

with newly designed, revolutionary inner mechanism (pat. appl. for l

> GREATER CAPACITY FOR GREATER PROFITS, GUARANTEED TROUBLE-FREE ESPECIALLY DESIGNED FOR COIN-OPERATED LAUNDRIES

- The 1959 KAL-VEND coin-operated vender is finally available for immediate delivery — to give your customers better service and greater conveniences—and your business new life and profit opportunities.
- The 1959 KAL-VEND has a maximum capacity of 168 packages in 6 columns, 28 packages to a column—more than any such vander on the market today.
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- The 1959 KAL-VEND is rugged in construction, to insure an absolute minimum of maintenance costs.
- The 1959 KAL-VEND has these convenient dimensions: 74" high, only 29\%" wide and only 13\%" deep!
- The 1959 KAL-VEND comes in a handsome twotone blue sturdy steel cabinet.

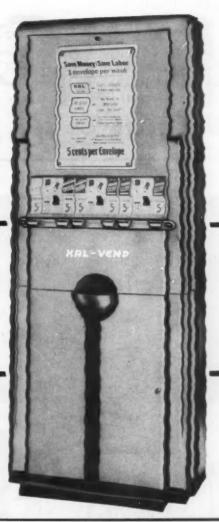
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KAL SYNTHETIC SOAP—Controlled suds with free rinsing action, can't clay your machine. Penetrating washing action removes dirt and most stains quickly. Costs less than any other packaged or bulk determent.

detergent.

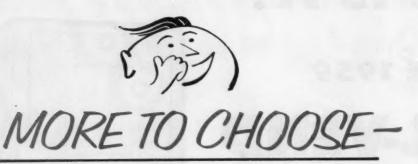
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gritty particles, safest bleach for cottons and linens.

KAL AMMONIA POWDER — Safe for non-fast colors, good for heavy duty use, excellent for removing heavy grime and grease from work clothing.

KAL POWDERED BLUNG — Never streaks or rusts. New brightener adds sunshine to wash. Clothes come out sparkling white and iron glider-smooth.

Each sealed envelope pre-measured — so waste or messy spillage. Each package retails for ealy Sc.



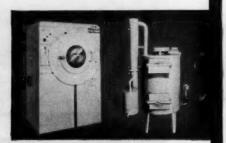




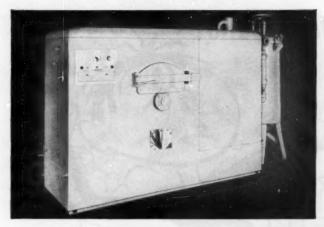
The "SHIRT-O-MATIC" does bosom, body and yoke in a single automatic operation! Only one moving head...all simple Pantex air valves for trouble-free operation.



Select from several – PANTEX provides 1-Girl, 2-Girl and 3-Girl Shirt Units to suit your volume and price plans. 1-Girl Units have electrically heated heads optional.



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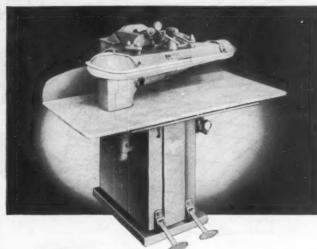


Pick the "PERK" that's right for you!

This Model "35" handles 35-pound loads — fast cycle...features the exclusive "S" cylinder for deep-drop cleaning with both spray and immersion wash and rinse action. Fully automatic, two-bath or single-bath operation — interchangeable with the flip of a switch. Other "Perk" models up to 75-pound capacity.

and top trade-in value — when you insist on a PANTEX. This "Hydro-Air" Air Press offers a can't-be-copied group of pressing advantages to help you cut the cost of finishing — to deliver the fast service that customers expect.

And Pantex Foot-operated Presses are world famous for their feather-light action — their built-in, lifetime trouble-free service!



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In every department of your plant — go "ALL PANTEX" for the right range of sizes — for dependable, low-cost operation — for easy terms. Call or write your Pantex Representative for all the facts, today!



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PANTEX /	MAN	UFACTU	RING	CORPOR	ATION
PAWTUCK	ET,	RHODE	ISLAND	9	

8-290



SWITCH TO OZONITE

the all-in-one blend that can put an end to your washing problems!

If you want to turn out really clean wash loads with a minimum of washovers, you'll want to try Ozonite.

Factory-built to contain all the necessary washing ingredients, Ozonite is a ready-to-use blend of high titer soap and alkaline builders that never varies in strength or efficiency. This uniform quality assures you of superior soil removal, excellent whiteness maintenance and complete safety to fabrics, load after load.

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You can step up production, increase your profits with Ozonite in the washroom. Why not try it soon?





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with Econ-O-Wash-unattended, self-service laundry





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Division of The American Laundry Machinery Co.

Cincinnati 12, Ohio

It's coin-operated, the perfect answer to feeder plants, diversification or just plain sound investing.

Cut the ribbon—throw away the key! Econ-O-Wash literally runs itself. Operates 24 hours a day, 7 days a week, and requires no labor! You can continue to devote full time to your present business.

Every Econ-O-Wash is an unattended coinoperated, self-service packaged plant, complete in every detail. You don't have to turn a finger after you sign the order. We handle everything, can even help with financing! Today's depreciation law allows you to write off the entire investment in a few short years.

Coin-operated laundries are the talk of the industry. Get all the facts on this profitable business that makes money while you sleep. Call or wire Small Equipment Co. Div. of The American Laundry Machinery Co., Cincinnati 12, Ohio, or mail coupon.

Clip and mail today.

1	MALL	10	QUIP	MENT	COMP	YMA

Division of The American Laundry Machinery Co., Cincinnati 12, O.

Please send complete information on Econ-O-Wash, the business that runs itself.

name

care of_____address____





Now is the time to use SIMPLEX and HY-WITE, the modern soaps that assure laundries of whiter, safer washes... that sharply cut time and labor costs, too!

SIMPLEX and HY-WITE are complete soaps — add nothing to them — use them just as they come from the barrel in sufficient amount to produce a really good suds. And they are absolutely harmless to fabrics — hard-working soaps that you can use with complete confidence.

For full information on SIMPLEX and HY-WITE, just drop us a line. In every step of your operation, KOHNSTAMM has developed new methods and materials to make your work easier and better.



Specify: SIMPLEX for low temperature washing of white work, HY-WITE for high temperatures,

H. Kohnstamm & Co., Inc.

NEW YORK 13, 161 Avenue of the Americas . . . CHICAGO 11, 11-13 E. Illinois St. LOS ANGELES, (P. O. Address) 2632 E. 54 St., Huntington Park, Calif.

Foremost Manufacture and Distributor of Quality Laundry and Cleaning Supplies

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It's no wonder THERMOTEX cover cloth is used extensively by Parade of Progress Contest winners.

thermotex

YOU SAVE WITH THERMOTEX cover cloth because it wears twice as long. This means lower replacement costs...longer life for padding...less time and labor needed.

YOU INCREASE PRODUCTION WITH THERMOTEX because of its faster-drying, heat-conducting qualities. THERMOTEX will not slip or shrink...needs no breaking-in period. And it's available in rolls at a saving, so there's no need for ready-made covers.

Write today for full details. Find out how THERMOTEX can take a leading role in any laundry or cleaning success story — including yours!

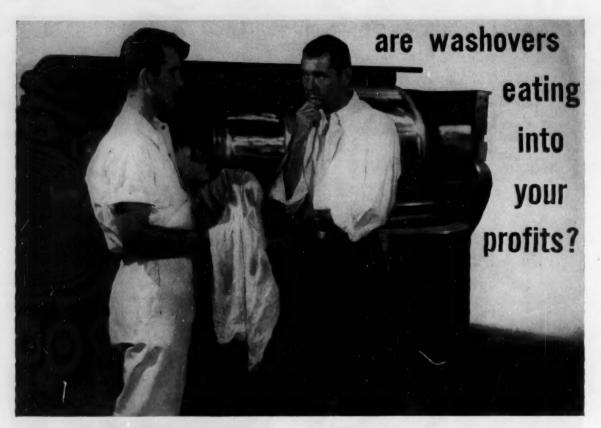


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LESTOIL

LIQUID DETERGENT

assures a better wash the first time

- LESTOIL

Removes oil, grease, embedded soil . . . assures fresh, sparkling finished work.

Penetrates instantly . . . shorter washing and rinsing cycles . . . means fewer washovers.

Activates soap and alkali . . . prevents redeposit of soil and lime soap.

Is excellent as spotting agent or in soaking solution. Means less tensile strength loss . . . longer life for linens and your own nets. For over 25 years shrewd laundry owners have known that LESTOIL means better washes the first time. LESTOIL penetrates the entire load instantly, triggers the action of soap and alkali... gets rid of the most stubborn soil... produces whiter, cleaner, sweeter-smelling finished work. Just a few ounces of LESTOIL makes your soap and alkali do their job better and faster.

It pays you to use LESTOIL because LESTOIL means shorter formulas, fewer washovers, less tensile strength loss. And because America buys by brand it pays you to tell your customers you use it. There's no better way to demonstrate that you take the same care with their laundering that they do at home.

Try LESTOIL: A generous free sample and suggested formulas for all types of laundering are yours for the asking. Call your supplies jobber today or write:

ADELL CHEMICAL COMPANY

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Serving the Laundry Industry Since 1933.







· King of Dispensers ·

STARCH

BLEACH







A brand new Vend-Master Dispenser now makes its debut making the Vend-Master family a trio of profit makers for you.

Now you can offer your customers Washing Detergent, Dry Bleach and Instant Starch, all by Laundry Maid, a name synonymous with dependable, high quality from coast to coast.

Self service laundry operators the country over have found Laundry Maid washing products highly profitable in terms of big returns, high customer satisfaction and much repeat business. You will get the same response when you start selling Laundry Maid products.

Laundry Maid Detergent, Bleach and Starch are sold from dispensers by

VEND-MASTER Automatic Service & Supply Co., Inc.





LAUNDRY MAID STARCH

Instant Starch means who it says — it dissolves in stantly. Speeds and im proves the job of ironing



LAUNDRY MAID DRY BLEACH

Safest for all washable clothes. Makes whites whiter and colored clothes brighter.

DETERGENT



WASHING DETERGENT

Condensed suds give batter, cleaner wash. Correct measure eliminates waste mess and overflow.

SOLD COAST-TO-COAST

Through Distributors

Customers "Go" For These Fast and Neat Dispensers! They Are Very Popular and Highly Profitable

in

Self Service Laundries
Apartment Houses
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Streamlined, wall-hanging dispensers are fast, neat. Have proved themselves most popular and profitable in self-service laundries.

- · NEW friction-free vend
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DIMENSIONS: 123/4" wide, 71/4" deep by 301/4" high.



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	Please send at once literature — Prices on "New Laundr Maid" products.
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FORM NOW!

A COMPLETE, READY-TO-USE BUILT SOAP for CLEAN, CLEAN WASHES with LESS EFFORT!

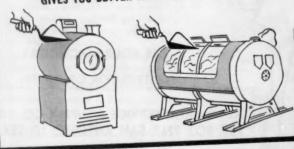
Colgate Formula 4

- * For better hot-water washing of white work and fast-colored goods!
- * Real economy! Gives cleaner finished work with less detergent, less work for washman!
- * Better sudsibility—quicker rinsing! Improved quality of work builds repeat business!
- * Handy to use, saves waste! Use direct to the wheel!

You'll turn out top-quality finished work-win more satisfied customers—with Colgate Formula 40! Specially designed for hot-water washing, this excellent detergent gives outstanding results.

Because it has a high soap content-plus selected alkalies blended for greatest detergency-you actually use less detergent per 100 pounds of goods in the wheel! Try this economical, efficient detergent today! Ready To Use! Out of the Container ... Into the Washer!

NO MATTER WHAT EQUIPMENT YOU USE, COLGATE FORMULA 40 GIVES YOU BETTER WASHES-AT LOWER COST!



More Technical Service Available!

Our enlarged Technical Service staff will be happy to help you solve your soap and synthetic detergent application problems. Write your nearest Colgate-Palmolive Company Associated Products Dept. Sales Office.

COLGATE Formula 40 It's CATE PALMOLI Colgate Guaranteed!



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Available in 140-lb. bags 225-lb. drums.

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for finer finish and long, l-o-n-g wear!

Now Whitehouse brings you the new SEMI-PERMANENT N-11 press pads—the latest development using miracle fibre N-11 construction!

Flatwork ironer pads made with N-11 have proved to be a tremendous success. Semi-permanent N-11 press pads broaden the application of this amazing material to wider uses in the laundry field.

BIG COST SAVINGS

New N-11 press pads cost only a fraction of what you pay for combination asbestos steel wool flannel pads. Yet they give you months of wear—PLUS longlasting resilience that means extra fine quality work.

In wearing qualities N-11 construction pads are far ahead of ordinary nylon or cotton flannel. Yes, N-11 pads are built to last and last and LAST. This means real money savings for you!

ONLY ONE N-11 PAD PER PRESS

One N-11 pad can replace nylon flannel, cotton flannel, or "combination" asbestos pad. And you'll be amazed at the fine finish you get with semi-permanent N-11. Ask your jobber today about N-11 pads. Or write us for free information!



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THROUGH CONSTANT RESEARCH

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it can cost even <u>less</u> for quality

The best is often most economical, too.
Take Satinette. Cook it once. Use it all.
Never separates or congeals.
That means lower unit costs, fewer go backs...and shirts so smoothly finished you protect your greatest asset, customer satisfaction.

ASK YOUR KEEVER SALES-SERVICE MAN

THE KEEVER STARCH CO.

COLUMBUS 15, OHIO and other grain products

Corn, wheat and other grain products for industry since 1898

Satinette

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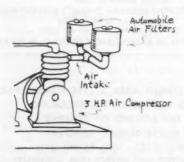
ULTRA-LITE SANI-SOUR

JUMBO PADS



TO MY MIND one of the most interesting events of the decade would be a meeting of gadget-minded launderers. We could incorporate under the name Tin Can Commandos or maybe the V-Belt Vaqueros. Maybe even call ourselves the Bailing Wire Beavers. Wish my old buddies would send in some fitting names. Maybe we could put up a proper prize for the best name . . . something like a 10-pound can of threadless bolts, huh?

I have a soft spot in my heart for guys in this business who show originality in things mechanical. Sometimes the results are born of necessity, but more often the true gadgeter thinks nothing of working a couple of hours to develop something he could buy at his hardware store for four bits.



Noiseless Air Intake

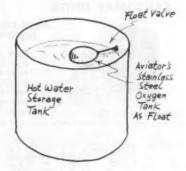
O. Reed Sauter, who with his partner, Clarence Sutton, owns and operates Elite Laundry and Cleaners in San Diego, California, is truly an ingenious launderer. As a Marine in the second world war, Reed no doubt had to do his share of improvising, and carried the habit into the laundry business.

As an example, Reed has a 3-horse air compressor up on the roof of his plant. The bark of the air intake finally got his neighbors up in arms. To muffle the noise he fitted an automobile air filter to the intake. It helped to quiet the thing but it also cut down the air intake so much the compressor wouldn't work efficiently.

The final solution was a "T" fitting on the intake pipe, plus a couple of nipples and elbows so he could make use of two air filters . . . and now everyone is happy again.

Float for Water Tank

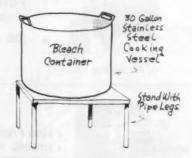
From Elite Laundry and Cleaners in San Diego comes the idea of using



Army and Navy surplus equipment in a number of ways. For instance, the big wooden hot-water storage tank on the roof makes use of a piece of aviator's emergency equipment to serve as a most efficient float to operate the water-level valve.

As many launderers know, a jug made of glass is the usual float used, but sooner or later the cap will rust. Or, if the jug is corked, the cork will work loose, letting water get into the jug and cause it to lose its efficiency.

Elite makes use of a stainless-steel oxygen tank which is used as an emergency supply of oxygen by fliers when they are forced to bail out at high altitude. About half the size of a gallon jug, this little oval-shaped tank is ideal, since it should last a lifetime at the job of controlling the float valve in such a tank.



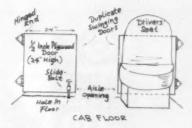
Steel Pot Holds Bleach

Here's another use for surplus cooking equipment. At San Diego's Elite they use a 30-gallon stainless-steel

cooking pot as a bleach container. Reed Sauter said he got this at a very low price at a surplus store because it had a couple of holes in the bottom, but the holes proved no problem. On the market and obtainable at most hardware stores there is a new product called plastic aluminum (also a plastic rubber and a plastic steel substance) which comes in big tubes similar to those used for toothpaste.

This plastic aluminum was used to plug the holes and proved highly efficient. The fact that this stuff withstands 600-degree heat led Reed to use it for an emergency repair on a steam coil in a tumbler and even to plug a hole in the boiler-control stainless-steel bellows. The patches have held a year and a half, at this writing.

A most interesting fellow is O. Reed Sauter, and you can bet these won't be the last gadgets you'll see in this column that stem from his plant.



Truck Bundle Stop

At the Portland (Oregon) Laundry & Cleaners, operated by Vernon and Duane Lawrence, I saw something on one of their route trucks that might be of interest to many launderers. Where routemen work out of the front of their trucks there is always the problem of finished laundry bundles sliding forward during a sudden stop.

To prevent this many trucks are being fitted with low partitions across the trucks just behind the driver's seat. But no matter how low, they are just something else to stumble over, according to most routemen.

At Portland the truck Bill Whedon, the sales manager, showed me was equipped with a pair of swinging doors. On each side of the truck, just behind the seat, was a hinged piece of ½-inch plywood about 2 feet square fastened to each wall. Slide-



the heavy-duty line of

WASHER-EXTRACTORS

top efficiency for laundry and dry cleaning
SIZES AND TYPES FOR EVERY PLANT

PACKAGE DRY CLEANING UNITS for synthetic solvent
SYNTOMAT UNITS



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MORE POUNDS AND PROFIT

Open pocket, open-end cylinder—simplest loading and unloading. No weighing or dividing of loads for extraction balance. 45, 65, 100 lb. units—synthetic and petroleum.

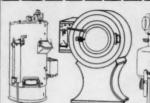
(*135 lbs. Cleaned & Spotted EASILY)

for petroleum solvent WASHEX UNITS



ASK FOR BULLETIN T-235

COMPANION SYNTHETIC EQUIPMENT FOR MAXIMUM SOLVENT ECONOMY





SLUDGE COOKER-STILL

Motor Driven Agitator Fast Sludge Cooking Self-Unloading (Dry Powder)

SUPERFAST RECLAIMING TUMBLER

Quick Cooling Cycle King Size Lint Trap Optional Automatic Cycler

SOLVENT-SORBER - DOUBLES SOLVENT MILEAGE

Single and double unit models Reclaim all Perc from air and vents

AVAILABLE EITHER WITH COMPLETE SYNTOMAT UNITS OR AS REPLACEMENT FOR UNITS IN THE FIELD

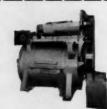
WASHEX TUBE FILTER



ASK FOR BULLETIN T.196

MORE FILTERING AREA • LESS FLOOR SPACE
NO CLOGGING, NO STEAMING
NO BOILING OF SCREENS
SIMPLE SLUDGE REMOVAL
ALL SIZES – 1000-15000 GPH
SYNTHETIC and PETROLEUM SOLVENTS

LARGER WASHEX
PETROLEUM
DRYCLEANING UNITS
FOR
UNDERGROUND TANKS



ASK FOR BULLETIN T-55

. TIME-PROVEN PERFORMANCE

• OPEN-POCKET, REVERSING CYLINDER

• 1000 POUNDS PER OPERATOR HOUR

100, 175, 270, 450 POUND MODELS

NEW WASHEX FOR LAUNDRY SLASHES WASHROOM COSTS 50%



ASK FOR BULLETIN T-271

• 1200 P/OH CONSISTENTLY IN YOUR WASHROOM

. RUGGED HEAVY-DUTY CONSTRUCTION

• STAINLESS AND INDUSTRIAL STEEL MODELS

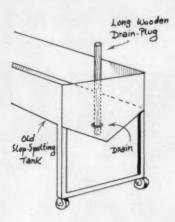
FOUR MODELS: 250-600 LB. DRY LOADS

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WASHEX MACHINERY CORPORATION

192 BANKER STREET, BROOKLYN 22, N.Y.

bolts at the outer edge of each door fit into holes in the floor to afford a sturdy barrier for sliding bundles, and still leave an open aisle for the routeman to work through. When not needed both little doors can be swung back against the walls of the truck and hooked in place, to make it an "open" truck for long pieces such as rugs, etc.



Easy-To-Drain Tank

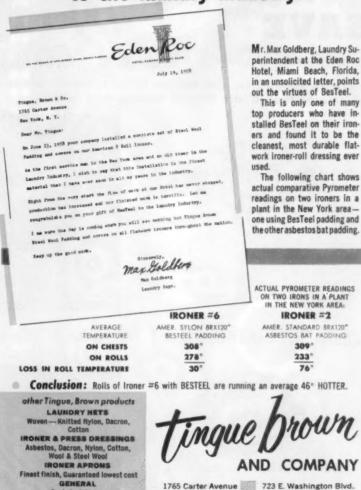
Also from Elite in San Diego is an idea for transporting wet loads from laundry washer to extractor . . . especially good where a lousy job of sloping the washroom floor lets excess water run into the rest of the plant. In order to prevent this, Mr. Sauter makes use of an old drycleaning "slopspotting" tank which just happens to be of a convenient height for the washer doors. A wooden grating allows the load to drain into the bottom of the tank during the trip, and keeps the floor relatively dry.

An extra-long wooden drain plug protrades above the top edge of the tank, making it a simple matter to periodically move the tank over to the drain and dump the water, without fumbling with the conventional small drain plug.

Carpeted Basket Edges

Necessity is truly the mother of invention, or so it seems at the big Pullman Laundry in San Diego, California. Manager George Nelson showed me how they are protecting their beautiful new drycleaning washer-extractor units from being scratched by their canvas baskets as work is moved in and out. Carpet remnants are used to cover the top edges of these baskets. Foot-wide strips of carpet, with holes cut to match up with the grommet holes in the basket's

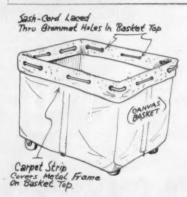
"Let me congratulate your company on your gift of **BesTeel** to the laundry industry."



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Baskets & Liners

Ribbons & Tapes — Iron Lubricants Extractor Covers — Flexible Steam Hose for Presses — Marking Flags

Rubber Floor Mats

top edges, are laced neatly in position with heavy sash cord. Available in a wide range of beautiful colors, these remnants are quite inexpensive and obtainable at any carpet store . . . often simply for the asking.

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According to George, it all came about because one of their hotel commercial accounts complained the laundry baskets were scratching up the walls of the hotel elevators. So, the laundry baskets were fitted with carpet tops. Later the installation of the new drycleaning equipment made it a sensible move for the drycleaning baskets.

"Modernize Now for Growth and Profits"

Says Factory Magazine (September 1958)

And Here is the Way to Start-

SAVE \$80_\$90_\$100 or MORE Each Week.

Increase production and reduce labor turnover with a SAGER "A" SPREADER. Increase efficiency; reduce idle time of feeders and folders.



This machine enables

One operator to spread and deliver to the ironer feeders, more sheets per hour, than 3 to 4 hand shakers—even up to 1,000 sheets per hour.

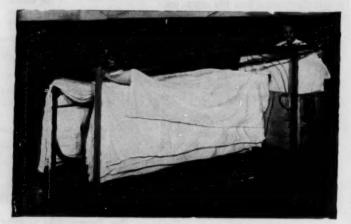


THE BACKBONE of Modern Mechanized Flatwork



The SAGER "B" SPREADER

This machine is designed for the single ironer plant. For the feeding of large flatwork at high speed, even up to 18 sheets per minute, spreading at 6 to 15 sheets per minute under suitable conditions.



ONE operator does the work of 2-3 hand shakers with less effort and higher efficiency. There is NO lifting of heavy loads; 80-90 sheets are quickly and easily transported to the ironer feeders on each of three RACKS. Increased employee efficiency; idle time at the ironer greatly reduced; labor turnover reduced. Your spreader operator becomes a machine operator. Installation quickly and easily made. Independent of the flatwork ironer. Model "B" can be plugged into the lighting circuit.

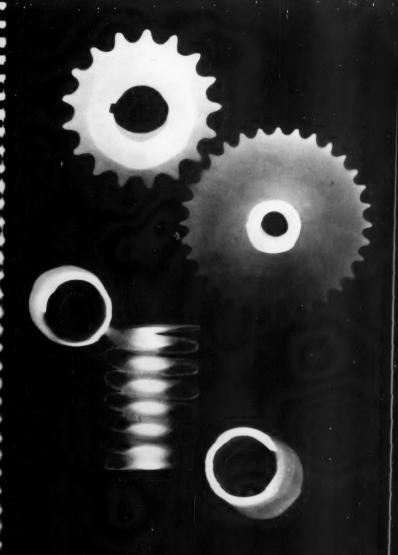
Write For Full Facts

If yours is a laundry handling 1,200 or more sheets and spreads per day, write today for details and the names of progressive laundries all over the world which have reduced their flatwork costs from 40% to 60% with these labor saving machines.

Manufactured by M. A. POCOCK

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In laundering, dry cleaning or rug cleaning...

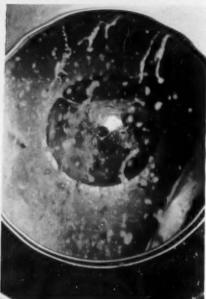
The ultimate science is soil removal chemical action mechanical action

You get more from





Chemical action, mechanical action—
the scientific basis of laundry, dry cleaning
and rug cleaning machinery design



Ultimately, the reason for laundering, dry cleaning or rug cleaning is to remove soil from fabrics, then finish them properly. All successful methods involve both chemical and mechanical action. The most efficient use of these principles is the basic consideration in machinery design.

Here at American, our research and development people are continually testing chemical properties, new principles of mechanical agitation, the effects of heat and pressure—to the end that we are confident all of our products make full use of the latest scientific knowledge available.

The fact that we design and build laundry, dry cleaning and rug cleaning machinery is a distinct advantage. Often a dry cleaning discovery leads to a laundry improvement, or a laundry development is applicable to rug cleaning, and vice versa. Soil removal is the common thread.

Our Research Program is the only one of its kind, because only American serves every segment of the entire textile cleaning industry—commercial, industrial, linen supply, institution, quick-service and coin-operated laundries; dry cleaning; rug cleaning.

Our experience, devoted to all phases of the textile cleaning industry, and *only to this industry*, is still another way you get more from American.

You get more from





PROSPERITY PREFERRED—Typical of the fine modern laundries dotted all over America today is the Lord Baltimore Laundry of Baltimore, Maryland. Serving its many customers are 7 retail stores, 26 delivery trucks, and a large processing plant extensively equipped with the finest laundry and dry-cleaning equipment available. For over twenty years, the Lord Baltimore Laundry has been using Prosperity Apron Cloths. Their fine tracking qualities and the lack of excessive stretch are among the reasons. Although Lord Baltimore has intermittently tried other brands, it has always returned to the brand of their choice—Prosperity. This is another example of how the fabrics produced by Mount Vernon Mills and the industries they serve are serving America.





Mount Vernon Mills, inc.



Main Office and Foreign Division: 40 Worth Street, New York, N. Y. Branch Offices: Chicago • Atlanta • Baltimore • Boston • Los Angeles

Always look for this purple stripe in all PROSPERITY" and ORIOLE" fabrics. It's your assurance of fine performance and longer life in apron duck and cover cloth fabrics.

PROSPERITY and ORIOLE purple stripe fabrics are available ONLY from these laundry supply jobbers:

THE CARMAN CO., Denver, Col. • CARMAN-CONLEY, INC., Chicago, Ill., Indianapolis, Ind., Milwaukee, Wis. • CARMAN-MITCHELL-WING CO., Stoneham, Mass. • CARMAN OHIO CO., INC., Cincinnati, Ohio • CARMAN PITTSBURGH INC., Pittsburgh, Pa. • CARMAN SUPPLY CO., Cleveland, Ohio • C. C. CHEMICAL CO., Sunnyside, L. I. • JOHN P. LYNCH CO., San Francisco, Calif., Los Angeles, Calif. • MORRIS & ECKELS, INC., Alexandria, Va., Norfolk, Va., Baltimore, Md. • MORRIS & ECKELS CO., Jacksonville, Pia., Allanta, Ga. • OSMUND & CO., Portland, Ore. • ROCHESTER CARMAN SUPPLY CORP., Rochester, N. Y. • JAMES E. ST. JOHN, Philadelphia, Pa. • E. J. THOMAS CO., Columbus, Ohio • THOMPSON-HAYWARD CHEMICAL CO.—CARMAN DIVISION, Fort Worth, Tex., Houston, Tex., Kansas City, Mo., Omaha, Neb., St. Louis, Mo., San Antonio, Tex.



It costs <u>less</u> to get customer satisfaction when you use Diamond Ortholate

Costs less because you get top performance and maximum economy from the soap you use.

Diamond Ortholate is a unique fusion of orthosilicate and complex phosphate. These dustless flakes make a small amount of soap go further. Dig out deep-down soil. Boost whiteness retention. Save you money, too. Wherever heavy soil or high bicarbonate in the water is a problem, Diamond Ortholate is highly recommended by enthusiastic laundry owners.

Ask your DIAMOND Representative to give a demonstration in your own washroom. DIAMOND ALKALI COMPANY, 300 Union Commerce Building, Cleveland 14, Ohio.



these are the EXCLUSIVE

HUEBSCH FEATURES

THAT ASSURE BETTER PERFORMANCE
AND MORE SATISFIED CUSTOMERS



Huebsch "37" gas-heated Dryers come in three sizes. Write Huebsch Originators for complete information.







SELF-CLEANING LINT SCREEN

Automatically cleans itself and deposits lint on "Magic Carpet." No knob to pull...no handle to turn...no cumbersome drawer.

"MAGIC CARPET"

Whisk away lint in seconds. Simply remove front panel and slide lint from "Magic Carpet" into a container.

COIN METER AT NEW LOWER HEIGHT

Your customers will appreciate the new, lower easy-to-reach coin meter...just as they appreciate Huebsch's fast and efficient drying.

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Locks on All Panels • Temperature Control
High Temperature Limit Control • Glass Door
Door Safety Switch • Choice of Any Color

HUEBSCH Coin Operated DRYERS

WORLD'S LARGEST MANUFACTURER OF COMMERCIAL TUMBLER-DRYERS

HUEBSCH ORIGINATORS MILWAUKEE 1, WISCONSIN

Tests prove plants can increase output, lower costs with better steam trapping

by John W. Ritter, Test Engineer SARCO Company, Inc.

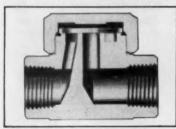
Surface cold spots on ironers and presses can run up production cost. Such trouble is often cleared up by the right steam tranning.

Because Sarco Thermo-Dynamic Steam Traps drain condensate and air out of steam spaces completely, their use has increased the output of many laundries and cleaning plants, cut fuel costs appreciably. Here are four typical cases:

At a military post laundry* in Virginia, sheets were leaving the flatwork ironers steaming. Tests showed cold spots on steam chest surfaces, temperatures ranging from a high of 325°F to a low of 310°F. When TD-50's were installed temperature rose to 330°F, work left the unit dry, and re-runs were eliminated.

Loss of live steam from traps was a problem with an institutional laundry at Grand Rapids, Mich. Drying tumblers and ironers were running at low heat level, output was sluggish.

Sarco TD Steam Traps were then installed, resulting in an immediate production speed-up. Drying tumblers, for instance, were able to dry a load of towels 15 to 20 minutes faster.



Only 3 parts to a TD Steam Trap: Cap, disc, and body. Low in first cost, low in installation cost, low in maintenance cost.

When flatwork ironers showed a drop of surface heat of 45° below inlet steam temperature at a large commercial family laundry° in Brooklyn, they were equipped with TD Steam Traps. That stepped up their output 9.8%.

Again, in Texas City, Texas, a large laundry and dry cleaning company had heating trouble with 30 units. Faulty steam trapping was wasting steam. They replaced bucket traps with Sarco TD's and stopped steam losses. Output increased 10%.

In all four of these cases the troublefree operation of TD's also effected reduction in maintenance time.

*Name and actual case-history on request.



SARCO TD Steam Traps can make the difference between loss and profit

Equip your steam-heated laundry and cleaning units with Sarco Thermo-Dynamic Steam Traps. This production-planned steam trapping will watchdog your heated surfaces for uniform temperature.

If you are wasting valuable steam or if uneven surface temperatures are giving you loss of production and frequent re-runs, write for literature today.

60-DAY TRIAL CONVINCES... No cost or obligation Prove the effectiveness of Sarco TD traps to your own satisfaction. Write directly to us for a Sarco TD and strainer on 60-day trial. Specify size. Buy only if you're completely satisfied. Sarco Company, Inc., 635 Madison Ave., New York 22, N. Y. Or contact your supply house.

5887



635 Madison Avenue, New York 22, N. Y.

STEAM TRAPS . TEMPERATURE CONTROLLERS . STRAINERS . HEATING SPECIALTIES

There's Showmanship in Shirts "PERFECTION" FINISHED by

RED EDGE Knitted Padding

There's nothing like a crisp, sparkling, "Perfection" finished white shirt, or a beautifully finished sport shirt that looks better than new, to prove to your customers the superior quality of your service. Every time your presses turn out a shirt "Perfection" Finished by RED EDGE Knitted Padding, you demonstrate to another customer the complete satisfaction your laundry provides . . . and you assure yourself of bigger bundles and profitable repeat business from a well pleased family.

On your presses and flatwork ironers, RED EDGE sets the stage for flawless finish of shirts, sheets, tablecloths and other finished pieces. Free of wrinkles and scorching, with buttons, seams and hems unharmed, each piece has the soft perfection of handironed work. RED EDGE features Knitted construction. It has the long-lived, resilient porosity that drinks up clouds of steam, bounces back immediately

after every turn of the roll, every squeeze of the press. Moreover, RED EDGE is easy to change, saves dressing time in your plant.

Ring up the curtain on added profits by using RED EDGE Knitted Padding on all your presses and flatwork ironers. Ask your Supply House for RED EDGE today!

RED EDGE KNITTED PADDING

Available in the right Types and Styles for all your finishing Equipment!

STANDARD 1/4" and 1/4"
FOR FLATWORK IRONERS: 1/4" and 1/4"
Styles in Rolls, or Cut and Bound Pads.
FOR PRESSES: 1/4" Style, Redi-cut and Bound
Pads. Also available in Pross Padding Rolls.

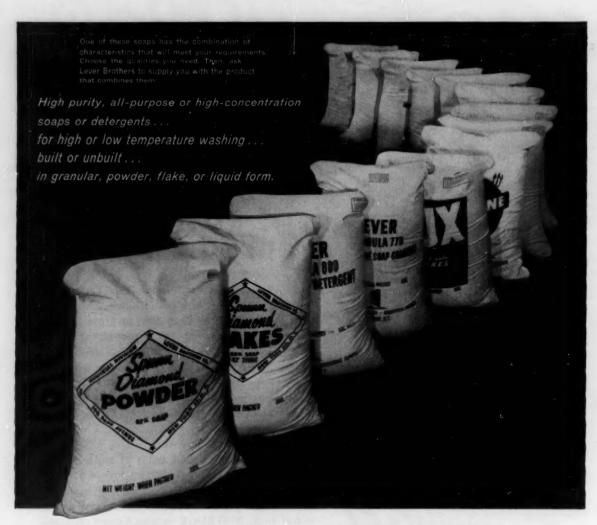
DOUBLE THICK

FOR FLATWORK IRONERS: 3 Cut and Bound Pad Styles.

Cotton: Cotton Binders attached. Cotton: Asbestos Binders attached. Asbestos: Ashestos Binders attached.

All 3 Double Thick Cut and Bound Pads available WITHOUT Binders II desired. Single Thick Pads available in all 3 cottonasbestos styles for Flatwork Ironers using spring padding.





For every laundering requirement, there's a complete line of Lever industrial soaps and detergents

Lever has every kind of product to meet your specifications for laundering soaps and detergents. Look at the characteristics of these soaps, for example: Spunn Diamond is a high-purity soap, available in chips or powder, for high-temperature operations. Lever Formula 770 is a fine, all-purpose, spray-dried granular soap with an effective water softener and optical whitening agent. Lux Flakes is a pure, mild, unbuilt flake soap for low temperature washing of sheer, delicate fabrics and colors.

Lever Formula 880 is one of Lever's fine line of detergents. It is a spray-dried, granular, built, allpurpose synthetic with an excellent whitening agent that is stable to bleach.

All Lever industrial soaps and detergents are made with the same skill and rigorous control that goes into the line of famous Lever soaps for home use. Scientific testing facilities at Lever's laboratories assure continuing high purity and quality in every bag and drum.

Cet in touch with your Lever distributor. For the name of your nearest distributor, write to Lever Brothers today. Lever Brothers will also be glad to supply you with free sample containers of Lever formulations, so you can test and see for yourself how effectively Lever soaps and detergents can work for you.

Lever Brothers Company

390 Park Avenue, New York 22, N. Y.



Here at last! The Amazing New AJAX DOUBLE-BUCK CABINET BOSOM BODY PRESS... Outproducing Any 1-2 or 3 Girl Shirt Finishing Unit Ever Built

So New, so Revolutionary

it makes all other shirt finishing methods

- The exclusive AJAX Expanding Buck fits every shirt, consistently insuring the finest shirt quality, anywhere.
- Flexible and Versatile, it can be used as a 1, 2, or 3 girl unit, to handle volume variations.
- Compact, 10' x 10', it requires little more valuable work area than one girl units
- Interchangeable shirt bucks, an exclusive AJAX feature, handles boys', ladies', and military shirts.
- Ajax Double-Buck turns out more shirts than any 1, 2, or 3 girl unit ever built.

your profits beyond the capabilities of conventional units. Put AJAX to work for you. Contact your AJAX, Box 449, Salt Lake City, Utah.

Since 1929

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"A PRESS FOR EVERY PURPOSE"

619 S. 5th W.-Salt Lake City, Utah







2 Presses in 1 . . . high velocity heads . . . Presses collar while cuffs are being laid.



CABINET SLEEVE PRESS

Finishes both sleeves automatically. Features AJAX exclusive "MAGIC EYE" Seam Indicator for varying sleeve lengths.



FOLDING TARIF

Provides simple, fast operation. Full or semi-automatic models, with stand-up or lay-down collar blocks. YOU ARE LOOKING at \$250,000 WORTH of AIR-BORNE PERFORMANCE AVAILABLE for about \$4.60 per Day

(amortized in 10 yrs.)

CYCLONE CONVEYOR SYSTEM* ROCKETS MATERIAL THRU HI-SPEED DUCTS AT 60 MILES PER HOUR

E/C alone has this profit-making, proven Conveyor System . . . fully patented; perfected. Used widely by medium and large sized laundries as a major solution to rising costs.

WHAT IT DOES

Zip! Zoom! In seconds, by pushbutton, you can now propel extracted, dry or soiled work from receiving stations to one or more discharge points. Not restricted by distance, buildings, or such conditions.

tance, buildings, or such conditions.

Imagine what this can mean to your plant output per day
... how it eliminates profit-robbing, slow-moving hand
labor . . . (can literally double your lbs, per man hour
conveyed in an eight-hour work day).

Eliminates TRUCKS, ELEVATORS; Reduces COSTLY HAND LABOR

The Cyclone Conveyor System guarantees to do the work of many employees quicker, more profitably, without using costly floor space. Its amazing 2-3 second speed means that almost instantly, conveyed materials can be diverted to any of the discharge stations in your plant. Hustles dry or extracted, clean or soiled materials, with the same efficiency.

Avoids NEED to ENLARGE PLANT

E/C Conveyors install on ceiling or roof instead of your floor. Greatly reduce need for aisle space for trucks; storage. Converts your plant to much more productive use.

Proctically NO MAINTENANCE. Regular inspection of blower, motor and proper lubrication all that's needed. All parts designed to carry much heavier load than required. Repair and maintenance costs are negligible.

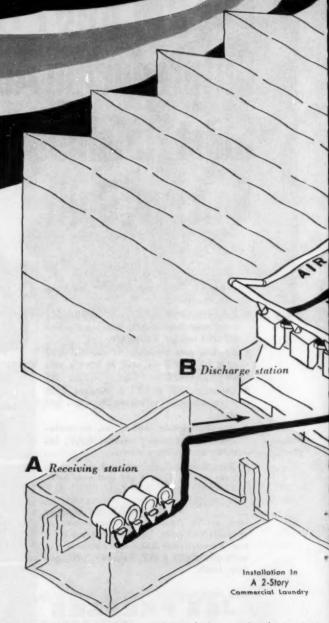
SYSTEM DESIGNED by EXPERIENCED LAUNDRY ENGINEERS for LAUNDRY PLANTS

You are assured the right installation for your plant because the Conveyor System is designed by practical laundry engineers who know all the problems of plant operation, plus installation methods. Every installation proved beyond doubt that this system has no equal for top efficiency, speed, labor savings, space saving and low maintenance. What's more! Can be expected to pay for itself in two years or less.

Modernize NOW for LARGER PROFITS

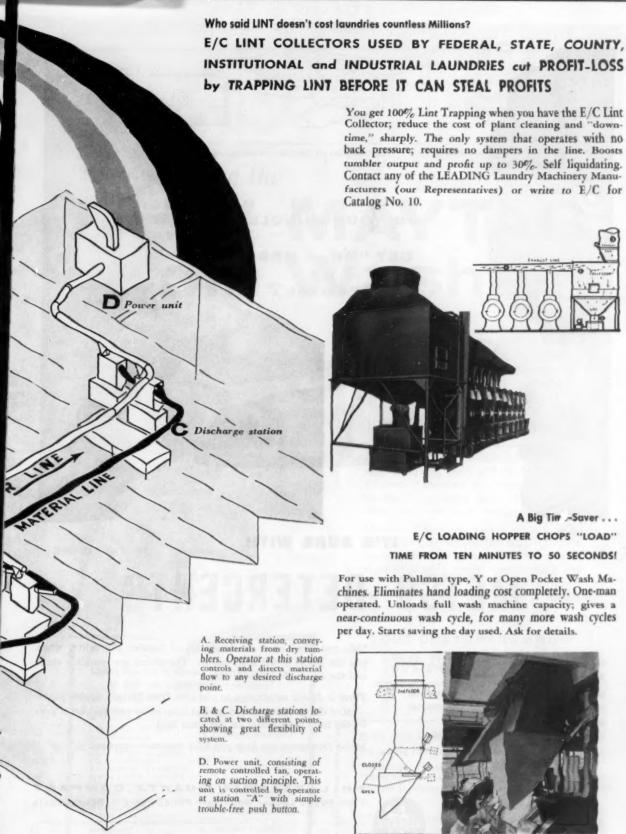
Get the Facts and Figures! Our experienced engineers will make a survey of your plant; make recommendations, then submit plans for your approval. Remember! The Cyclone System installed now, can be your assurance of profit, years ahead.

^{*} Users: large commercial, linen supply, institutional laundries. Names on request. Patent 2,556,058.

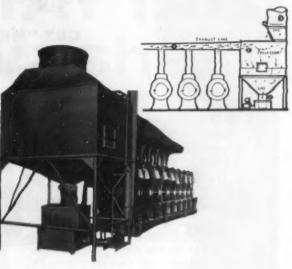


E/C is specified as standard equipment by purchasing agencies of many states.

EASTE

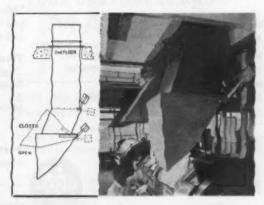


You get 100% Lint Trapping when you have the E/C Lint Collector; reduce the cost of plant cleaning and "downtime," sharply. The only system that operates with no back pressure; requires no dampers in the line. Boosts tumbler output and profit up to 30%. Self liquidating. Contact any of the LEADING Laundry Machinery Manufacturers (our Representatives) or write to E/C for Catalog No. 10.



A Big Tim -Saver . . . E/C LOADING HOPPER CHOPS "LOAD" TIME FROM TEN MINUTES TO 50 SECONDS!

For use with Pullman type, Y or Open Pocket Wash Machines. Eliminates hand loading cost completely. One-man operated. Unloads full wash machine capacity; gives a near-continuous wash cycle, for many more wash cycles per day. Starts saving the day used. Ask for details.



CYCLONE

876 VAN HOUTEN AVE., CLIFTON, N. J.

World's Largest Mfr. of Cyclone Conveyor Systems—Lint Collectors—Loading Hoppers



DO YOUR BUNDLES

APPROVAL?





IT'S SUPE WITH

METSO DETERGENTS

HARD WORKING . ECONOMICAL BUILDERS

METSO GRANULAR, sodium metasilicate pentahydrate METSO ANHYDROUS, sodium metasilicate anhydrous METSO 99, sodium sesquisilicate METSO 200, sodium orthosilicate concentrated "Mr. and Mrs." agree on the quality of bundles you deliver when you use Metso as the soap builder. The whites are sparkling clean and the colors, bright and clear.

There is double satisfaction to you also, from Metso's double action—more dirt is removed and held in suspension and the dirt is prevented from redepositing on the clean load.

Metso Detergents can help you keep customer approval.

METSO DETERGENTS

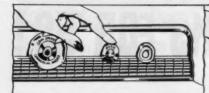


PHILADELPHIA QUARTZ COMPANY
1160 Public Ledger Building • Philadelphia 6, Pennsylvania

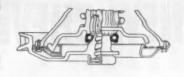
Associates: Philadelphia Quartz Co. of Calif.; Berkeley & Los Angeles, Calif.; Tacoma, Wash.; National Silicates Limited, Toronto, Canada

9 PLANTS . DISTRIBUTORS IN OVER 65 CITIES

TRADEMARKS REG. U.S. PAT. OFF.





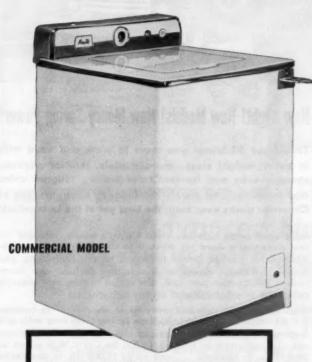


Simple to operate. Customer selects water temperature, inserts coin. The rest is automatic.

Benendable, exclusive helical drive unit is trouble-free.

Announcing the

JEW MAYTAG Coin Washer



Check this list of Maytag features approved by coin store and route operators!

- 1. Top loading
- 2. Front collection
- 3. Instructions on lid 4. Red neon "on" light
- 5. Built-in meter
- 6. Interchangeable coin slides (single or double, any denomination)
- Separate removable
- 7. Separate removable money box (can be equipped with lock)
 8. Money box is tamper-proof ("records" attempts to extract coins)
- 9. Bolt-type locks and circular keys used circular
- 18. Simple to operate-
- customer selects hot or warm water, inserts coin

- 11. Tamperproof cycle
- 12. Metered fill (inde-pendent of water pres-sure)
- 13. Automatic unbalance control
- 14. Safety lid switch and tub brake
- 15. Trouble-free helical
- 16. No need to bolt down 17. Self-cleaning tub (926 Lint Removers)
- 18. Thermostatic water valve (with brass body)
- 19. Rustproof, zinc-coated steel cabinet
- 28. All porcelain top, lid, wash basket and tub

20 built-in features - specifically designed for coin laundry operation-give you a rugged, tamperproof washer that's foolproof to use!

Now . . . from America's largest manufacturers of home laundry equipment comes the first automatic washer designed from rustproof finish to foolproof coin box for coin operation. Each and every one of its 20 special features were checked and approved by coin store operators, route operators, and commercial laundry distributors. Months of intensive testing prove it to be the ideal answer for the coin-operated laundry. And, it gives you all the advantages of Maytag quality, performance and dependability at a competitive price. Check the features at left. (Maytag gas or electric coin Dryers available at low cost, too.)

VOUR CUSTOMERS KNOW MAYTAG

maker of more than 10 million washers

DILLOUI		FOR	COLUMN 1	0.600	ODSESS	TIONI
RUSH	MAIL	FUK	PULL	HAL	UKMA	IIUN:

The Maytag Company, Newton, Iowa

DEPT. SLJ10

GENTLEMEN: Please rush me full information on Maytag Coin Washers and Dryers, and Maytag Coin-Operated Laundries.

NAME

ADDRESS

ZONE_STATE

NEW CHEVROLET TRUCKS FOR '59!





New Might! New Models! New Money-Saving Power!

Task-Force 59 brings you more to work and save with in every weight class—more models, thriftier engines, stronger cabs and frames, safer brakes, tougher axles and transmissions! Here's the longest, strongest line of Chevrolet trucks ever built, the best yet of the best sellers!

Good news in the light-duty class! Chevy's longer, stronger '59 line gives you a dozen big pickups to choose from . . . new 4-wheel drive models, newly fashioned panels, Step-Vans, and Sedan Deliveries! Scores of innovations include new hard-pulling Positraction rear axle, new bigger brakes, new stronger cabs, new broad-shouldered styling refinements!

Bright new middleweight and heavyweight might! New big-tonnage L.C.F. and conventional trucks are heftier than ever with new 5-speed transmissions, new huskier clutches, more durable rear axles in capacities as high as 18,000 lbs.! G.V.W.'s go up to 36,000 lbs. in tandems . . . and up to 21,000 lbs. in new Series 50H and 60H models with heavy-duty components!

New thriftier 6's, all-new V8 power! Chevy's best selling 6's are set to pinch pennies like never before with new camshaft design, new valve train durability! Six modern V8's are tougher built for bigger savings; an all-new V8, the 185-h.p. Workmaster Special* with advanced Wedge-Head design, is offered in Series 70 and 80! See 'em for yourself—the bright new trucks of Task-Force 59 at your dealer's now! . . . Chevrolet Division of General Motors, Detroit 2, Michigan.

*Optional at extra cost.

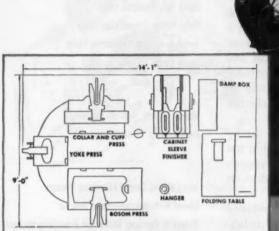


CHEVROLET TASK-FORCE 59 TRUCKS

You Progress, Produce, and Profit More with Prosperity

HIGHEST RATE OF PROFIT

PER SQUARE FEET OF FLOOR SPACE . . . PER DOLLAR OF INVESTMENT!





The PROSPERITY

Advanced Standard 2-Girl
SHIRT FINISHING UNI

a low-cost, compactly organized system, perfectly balanced and timed for smooth two-girl high production operation

- One-lay Cabinet Sleeve Finisher saves time, eliminates waiting on part of either operator.
- Up to 20% increase in production over other units equipped with 2-lay sleeve press.
- Beautiful, lustrous all-over finish with formed and rounded sleeves that
- greatly improve appearance of the finished shirt.
- Easy to train operators.

send today for complete information on the Advanced Standard 2-Girl Shirt Finishing Unit. Find out how minimum space, and minimum investment can produce maximum profits!

The PROSPERITY Company

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Starchroom Editorial

Professional Laundry Week

The seven days from November 16 to 22 have been designated as National Professional Laundry Week. And it promises to be better commemorated than ever before.

According to the American Institute of Laundering, laundrymen in more than 200 cities across the nation are expected to observe this special week and promote the theme "Home Is for Living, Not Laundering."

The whole purpose of the week, of course, is to concentrate industry efforts on building prestige for professional laundries.

The AIL has prepared a bundle insert for the occasion; a large two-column-by-8-inch newspaper mat; a small newspaper mat of one column by approximately 4 inches; vertical and horizontal truck posters; ribbons for route salesmen, counter girls and sales personnel to wear; publicity releases, and at educational giveaway folder on wash-and-wear that tells the consumer how to buy the best in washables.

Although the above material has been prepared for use by AIL members, observation of the week is not and should not be considered as restricted solely to member plants. It is open to all and all are encouraged to participate. If laundrymen themselves don't support it, who else will?

This will be the fourth consecutive year that the industry has united in this effort. And each year the number of participants has continued to grow. In the first effort only 75 laundries engaged in the campaign. This number more than doubled the following year. And last year, close to 200 laundries were in the campaign. Needless to say, there is still considerable room for improvement.

Instead of looking for the weak spots in a campaign of this kind, thinking laundrymen everywhere should regard it as an opportunity to get in a good word for their plants, services and the industry as a whole. Too many of our younger homemakers have grown up with only the vaguest idea of what a professional laundry really is or know anything about how it operates . . . in spite of the fact that our business is one of the very largest services industries in the United States.

It is difficult to believe that home washer manufacturers and their distributors would pass up such a tie-in if given the same opportunity.

Every effort is being made to make this campaign bigger, better and more meaningful. The name of the week has been changed from Professional Laundry Service Week to National Professional Laundry Week and the dates have been moved from October to November.

In the past, some laundrymen have begun their promotions a week to 10 days in advance of the actual event. And many promoted the campaign for a full month instead of a week. But the most important thing is to start doing something about it right now.

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VOLUME 65, NO. 10.

Published monthly by the Business Papers Division, The Reuben H. Donnelley Corporation, 385 East 45th Street, New York 17, N. Y.

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You Progress, Produce and Profit More with Prosperity®



You're bound to progress with Prosperity

— the leader in new developments for laundering and dry cleaning. And with

Prosperity your production soars, too.

Advanced systems bring you the benefits of modern technology, and Prosperity engineers assist you in laying out new plants or remodeling existing shops. And when you're progressive and productive, the payoff is in bigger profits.

Because Prosperity realizes that it takes more than fine equipment to keep your business growing, they constantly expand and improve those special business services which are so important to you. Here are two newly streamlined services which Prosperity makes available to the entire industry.



NEW-PURCHASE FINANCING

Prosperity equipment quickly pays for itself — and we can prove it. But we know that the initial investment in new systems calls for financial assistance. Our knowledge of you — and our equipment — gives us the best qualifications to assist you in financing your new purchase. In addition, Prosperity representatives are trained to give you expert counseling on money matters, and are always available to discuss your business problems and aims. See your local Prosperity man, or write to-day, to:



AND PARTS PROGRAM

Now, there's a Prosperity factory service and parts center almost at your doorstep — wherever you're located. In more than 50 strategically located cities, Prosperity will have new factory offices with service and parts experts, as well as sales engineers. Your service will be speeded and streamlined. Within minutes of your call a Prosperity service engineer will be attending to it. Needed parts can be on hand immediately. For the address of the new factory office nearest you, write to:

The PROSPERITY Company

DIVISION OF WARD INDUSTRIES CORPORATION

FACTORY AND GENERAL OFFICES, SYRACUSE, N.Y. - SALES AND SERVICE BRANCHES IN ALL PRINCIPAL CITIES

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ZEIDLER Improves Your Flatwork Output...

1) ZEIDLER STRIPPING AND GUIDE DEVICE

Boosts your production by eliminating the need for daily re-stringing and changing of tapes. Heat-proof steel bands, at staggered intervals, provide continuous stripping without downtime. Finishing is finer

because rolls can be set for correct contact pressure — no worry about string breakage . . . no marks on work - no wrinkling or cutting of covers. Quickly and easily installed - a must for the modern laundry.

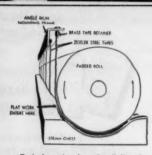
"One of the best pieces of equipment ever installed in our plant . . ."

-say enthusiastic owners* throughout the United

* Write for name, in your area.



An 8-roll, 120-inch flatwork ironer fitted with Zeidler Stripping Device and Zeidler Feeder Rolls.



End view showing simplicity of Zeidler Stripping Device installation.

ER PATENTED SPRING CUSHION



No need for repeated pressure adjustments! Top covers last 30% longer! This exclusive design, steel spring cushion can be applied to any standard chest type flatwork ironer roll — regardless of make or size. Patented construction, with thousands of independently acting springs to cushion without gaps, without packing down. In use in thousands of key laundries for as long as 5 to 10 years.

OTHER ZEIDLER PRODUCTS INCLUDE Spring Cushions for Float Rolls; Spring Pads for Laundry Presses (including cabinet type); and "Sur-Drive" Feed Ribbon Kit.

Write for samples and contact your local jobber.

ZEIDLER MANUFACTURING COMPANY, INC. MAMARONECK, N. Y.

INTRODUCTION

THIS is the thirteenth annual Guidebook published by STARCH-ROOM LAUNDRY JOURNAL and, in many ways, it is distinctly unique from all the others.



For one thing, all the stories in this issue were written by persons who are actively engaged in the

management of laundry establishments.

Second, their stories were selected by a panel of five nationally known industry leaders who are experts in the many and varied

experts in the many and varied facets and fields of laundry operations.

Their stories were singled out from a wide field of entries by these judges as the most outstanding examples of things professional laundrymen have done to in-

crease sales and improve production since January 1, 1957.

The authors are the

STANCHEOOM LAUNDRY JOURNAL'S \$10,000 Parade of Progress Contest which was conducted in July of this year. They know whereof they speak.

In reviewing their accomplishments, we cannot help but be impressed by each one's characteristic enthusiasm, initiative and general managerial talents. Their problems are no different from anyone else's but their persever-

ance and optimistic attitude set them apart. Even at a time when talk of recession and depression was running rampant.



If nothing else, we hope their stories will convince and inspire others with the fact that there is an exceptionally bright future in the laundry industry for all those who are willing to work for it. This was the primary reason for our sponsoring this contest.

While it was possible to award only six top prizes there were many, many



other contestants who displayed the same progressive attributes and convictions. Their stories, too, will be carried in subsequent issues of STARCHROOM as a continuing Parade of Progress.

The Lost Customers



... Where Did They Go?

Dupont had its own team of "detectives" making the search until experience proved that the best source of information was as close as the nearest telephone. Then the recovery rate jumped from 4.9 to 47.0 percent

By JOHN K. WITHERSPOON Dupont Laundry & Dry Cleaners, Washington, D. C.

"WHERE DID THOSE customers on routes 5, 6 and 7 go?"

This question started to rankle when I noticed in 1956 that of 2,670 bona fide new customers, more than half had become inactive and sales were only slightly over 1955.

Something was wrong. Customers seemed to be going out as fast as they came in

Was the high average of inactive customers due to poor quality or service? Did the route salesmen lack initiative? Was the lack due to the higher-than-average transient population natural to the Washington area? Or was it something else , , . an intangible something that needed to be brought out into the open?

Dupont became a detective agency with one quarry in mind... the lost customer. Where did she go and why?

First—concentration on quality was reemphasized, with special attention being given to the Quality Audits which Dupont received each month as a member of the Bureau of Laundry and Dry Cleaning Standards. [See Dupont's "Quality" story in STARCH-ROOM, February 1958.—Editor]

In addition, the all-important project for 1957 became "keep accurate records."

We started the year with a bang-up sales meeting . . . route salesmen, supervisors and management. We gave each man a challenge—and a book in which to keep the records we needed to find the root of the trouble.

Each man was instructed to make out a calendared sheet that was devoted to one customer, write on it the reason for the customer's having quit, and turn it in to his supervisor. It was then the supervisor's job to make a personal call on the lost customer to dig a bit further into reasons why no further service was required. A monthly sheet was prepared with a category of 16 reasons . . . and a complete report kept for the whole year. See results of route salesmen's year-long survey on opposite page.

We had some answers to our questions... but were they enough? Even with the combined efforts of route salesmen and supervisors, only 94 of the 1,915 quit customers were recovered! A recovery of only 4.9 percent. Something was still drastically wrong.

In the light of our new follow-up system, the reasons for this low recovery percentage can be seen at a glance. First, we didn't get accurate information because the customer feels much too close to her laundry man.

She knows he has five children, that he plows through all weather and that he needs a job. She'll think of any excuse except the real one before she'll level with the route salesman. She may fight the plant, but she remains loyal to her laundry man.

We also found out that we received the information too late. The route salesman himself either didn't get to the lost customer in time... or he relied on that old turkey (which I call the kiss of death), "I'll call you when I'm ready to send again." They never call!

Nowhere did the report show the extent of the plant's lack of initiative in holding on to the customer. Nowhere did it show that downright neglect on the part of the routeman was responsible for the customer's drifting away.

By the end of 1957, surveying the results, I had the uneasy feeling that the project was falling short of the desired result of quickly reactivating the quit customer. Still groping for a solution, I was aware of only one thing . . . I realized the harsh fact that the supervisors couldn't make the necessary follow-up calls. They were tied up in training. (In 1957 alone, the supervisors of this plant spent 114

Report and Summary of LOST CUSTOMERS • 1957

REASONS: THE	NUMBER S PERIOD	
Unsatisfactory work—laundry	. 115	6.0
Unsatisfactory work—drycleaning	. 15	.8
Transient (sent only one bundle) .	. 64	3.3
Moved away	464	24.2
Deceased		2.5
No money or closet bundle	190	9.9
Price too high	111	5.8
Got washing machine	71	3.7
Doing own work—no complaint Sending to competitor	266	13.9
—another plant	50	2.6
Sending to competitor		
—store or valet	36	1.9
Bringing work to our call office	17	.9
Claim not paid promptly,		
or too many	42	2.2
Sending work to friend	78	4.1
Unable to contact	128	6.7
Misc., not described above	221	11.5
TOTALS	1,915	00.0%

Left: Year-long survey by Dupon' Laundry's route salesmen seemed to confirm fact that large proportion of customers had moved away. But nowhere did report show extent of plant's lack of initiative in holding on to customer. Below: Phone follow-up on inactive customers is full-time tob, requiring girl with pleasant correcapacity for sympathy, obility to listen. She makes 20 calls a day, averages between 7 and 11 direct contacts.



Cash		Ac.		Led.	
Front	Door		Rear	Door	
Other:					

Mrs. John Smith 2906 South 13th St. Arlington, Virginia

Salesmen's routebooke are checked every two weeks to got gape in service pattern which would corrent a follow-up call. In most cases, the customer had not moved every but simply needed change in pick-up time

	M	T	W	T	F	5		M	T	W	T	F	5	11	M	T	W	1	F	15
JAN.			1	2	3	4	MAY	1			1	2	3	SEPT.	1	2	3	4	5	6
	6	×	0	9	10	11		5	6	7	8	9	10	1	18	0	10	(11	12	13
	13	X	15	16	17	18	1	12	13	14	15	16	17		15	16	17	18	19	20
	20	21	22	23	24	25		19	20	21	22	23	24	1	22	23	24	25	26	27
1,1	27	>	29	30	31	1		26	27	28	29	30	31		29	30	-	1	100	120
FEB.				1		1	JUNE	2	3	4	5	6	5	OCT.			-	2	5	4
11	3	×	5	6.	7	6		9	10	11	12	13	14		6	7	18	9	10	11
	10	X	12	13	14	15		16	17	18	19	20	21		13	14	15	16	17	18
-	17	X	19	20	21	22		23	24	25	26	27	28		20	21	22	23	24	25
	24	25	26	27	28	1		30	1	1	1	1	1		27	28	29	30	31	1
MAR.					1	1	JULY	1	1	2	3	4	5	NOV.		1	1	30	121	T
	3	4	5	6	7	8		7	8	9	10	11	12		3	-	5	4	2	
	10	11	12	13	14	15		14	15	16	17	18	19		10	11	12	13	14	15
	17	18	19	20	21	22		21	22	23	24	25	26	7	-	18	+	20	21	22
	24	25	26		28	29		28	29	200	31	1	1	-	-	25	26	20	21	22

1958

weeks breaking in 19 new men on 5 different routes.) There were too many "not-at-homes" in too many different parts of the area. There just wasn't enough time or actual contact.

So in February 1958, with no idea of how it would work out, with no concrete plan in mind (just a hunch) —we inaugurated a telephone follow-

up campaign.

In order to avoid brash commercialism or association with some fraudulent telephone canvassing, the greatest of care was expended in the selection of the right girl for the job: a good telephone personality, pleasant speaking voice, and a capacity for customer sympathy were among the qualities listed as important, Most of all, we wanted a person who also had the capacity to understand what the plant was trying to do and with enough basic good judgment so that she could handle customers on the telephone and make them feel important. In addition, she had to be a good listener.

Personal-interest approach

In February 1958, Miss Thelma Thompson took over her duties . . . and Dupont—via the telephone—went fishing for the lost customer. Although the plan itself was untried, one factor had been determined from the very beginning. The calls were to be made with one psychological approach in mind. The customer was to be made to feel important! Miss Thompson's opening address was:

"We missed your bundle last week, and our general manager asked me to call you and see if there was anything we could do to help you."

Reaction was terrific. The customer was impressed by the fact that here was a friendly voice from a friendly plant that was just interested and willing to listen! She was relaxed and safe when speaking on the telephone. Naturally the ensuing conversations were pleasant and very informative.

In every case, these inactive customers were surprised and pleased that Dupont would take the trouble to call. They were quite willing to explain their reason for not having sent a bundle in the past two weeks.

Many customers expressed the fact that they had been looking for the routeman; they had gone to work, their household habits had changed and they wanted a pickup at a different time. Others had the feeling that at the time the routeman had called, they didn't have enough of a bundle to make it worth while for him to make the trip. A couple of weeks of these unfruitful calls often resulted in the route salesman not



Personal postcards go out to all inactive customers not reached by telephone. Of 622 persons contacted in this manner 182 were reactivated. Card reads: "We missed you at Dupont's last week and . . ."

making a call at all. He was going to rely on "I'll call you when I want to send again." Which never happened.

And here another phase of the telephone contact came into play. Miss Thompson listened. A missing sock at one time or a lost button at another time might not have been the reason at all for the customer's dissatisfaction with the laundry. It just capped her whole day.

Once free of the festering resentment, the customer was happier. A line of communication between her and Dupont was open. She was willing to listen to what adjustments would be made . . . and in most cases, was quite happy to name a definite date for another pickup.

How did this compare with the charts of 1957? A quick check on 35 calls came up with these reasons for not sending out their laundry:

- 16 needed a change in pickup time
- 6 had been away
- 5 were in financial difficulties
- 3 complained that the driver hadn't been around
- 5 were in the category listed as miscellaneous—2 had unreported errors, 2 had purchased washing machines, and 1 had no comment to make.

This information didn't quite jibe with the route salesmen reports. The report of 1957 shows that the biggest reason was the high rate of transient traffic. According to the route salesmen, out of the 1,915 inactive customers in 1957, 464 were in the "moved away" group. The telephone

contacts changed that picture. From February 1958 through June 28, 1958, Miss Thompson had 1,305 names on the inactive customer list. Of these, only 78 had moved away or died.

This only backs up what we felt at the first of the year. We found that the route salesman didn't want to admit that he hadn't made a call, or that he had ceased calling when he found no one at home. It never occurred to him that a good customer might have changed her living pattern, It never occurred to him that he was giving her up. Not the other way around. Yes, we had to face the fact—who quit whom?

And what were the results from February to June? Miss Thompson (as mentioned before) had 1,305 names on the inactive list. She reached 683 by telephone and reactivated 444.

To those she was unable to reach, a personal card was sent. The message on the card read something like the telephone call itself . . . "We've been trying to get in touch with you. We missed your bundle last week and wondered about it." Six hundred twenty-two cards were sent . . and 182 lost customers were reactivated. A total of 47 percent recovery as against the 4.9 percent in 1957!

Telephone contact is made quickly (not more than two weeks go by before Miss Thompson is on the telephone). She tries to call at different hours during the week and on Saturdays. Where no personal call is possible . . . the card goes out at the end of two weeks, The customer

	WEEK ENDING		ROUTES			-
NUMBER INACTIVE	TELEPHONE	TELEPHONE	POST	CUSTOMERS	HES	ULTS
CUSTOMERS	CONTACTS	HE-ACTIVATED	MATLED	CONTACTED	FAVOR.	UM-FAVOR
						1
- 1						1
1						1
	_					1
)						1
				6.		
TOTALS:						
PERCENTAGES:						

Weekly work sheet enables Dupont management to keep track of progress in telephone follow-up program. Besides calling up inactive customers Dupont now also calls to thank new customers within two days of receiving their first bundle

knows right away that she is a part of Dupont Laundry. They are interested in her enough to try to reach her. They will answer her questions, try to help her with her problems and clear away her doubts. Errors are cheerfully and carefully adjusted. Changes in pickup times are made—made in time—with information received accurately! If she only wants to send once a month, her order is cheerfully accepted.

In fact, any way the customer wants service is accepted with the attitude that Dupont is happy to be of service. "We are grateful for her order!" Not the way it had been done . . . that Dupont had been doing her a favor in accepting her order.

Extended to new customers

The success of the telephone contact service has been so much realized that not only the inactive customer is receiving this attention. Every new customer is called within two days after we receive her first bundle. She is thanked for her order, and asked if everything was all right.

This starts the new customer out favorably . . . with a line of communication between her and the plant firmly established. Now, she'll be more apt to call—or inform the plant—when changes are desired . . . or errors occur. The company was interested enough in her to follow up service with a call . . . she'll take the time to let the company know what she wants and when . . . in plenty of time!

The difference between the 1957

program and that of 1958 can be better understood when one realizes that the route salesman makes an average of 50 pickups a day, and an average of 50 contacts in addition. The number of completed contacts varies with the customers' availability and most of them would have to be in one area.

Miss Thompson, on the other hand, sets out to make 20 calls a day , . . calls to inactive customers spread out over the entire Washington area, covering many routes , . . and averages contact with 7 to 11 direct. Those she doesn't reach are still contacted indirectly by postcard.

Imagine the time consumed with a supervisor or routeman trying to reach inactive customers all over the area. It's a physical impossibility. Thus the success of the telephone program.

Now, how did the routemen feel about the plant's new project? Not too happy . . . at first!

Through the media of sales meetings, pep talks and explanatory material, graphs, etc., management attempted to clarify the value of its program . . . and since February, the apparent success of the telephone contact service is really sinking through to the route salesman.

So, the route salesman accepts the service as a regular feature, While, in isolated cases, there is still room for improvement in attitude, the men are willing to admit that the service supplements their own efforts.

"The men really try to cooperate," smiles Miss Thompson. "I get their routebooks on time with inactive customers clearly marked. So no time

elapses at all, and I can get right on the job . . . before it is too late!"

And so, the lost customer was found . . . sitting right beside the easiest line of communication there is, the telephone . . . or opening her morning mail.

But much more important . . . that intangible something was out in the open for all to see: the personal attempt on the part of Dupont to reach the customer and let her know that she was wanted. We didn't know that personal contact was going to be the answer . . . we played a hunch which went hand in hand with the quality audits . . . we gambled on the intangible something and . , . we're coming out way ahead.

Editor's Note

WHILE the concept of the Telephone Follow-Up Program is unusually simple in itself, there are certain prerequisites which must be met if it is to work properly:

- There must be a customer-control system in operation to determine the pattern of service.
- 2. The route salesman must understand the reason for and the value of the Follow-Up Program and give it his endorsement and support.
- 3. The person in charge of making customer contacts must be carefully selected for his or her telephone personality.
- The program must be a continuing one, with accurate records being kept, if it is to have any meaning.

Dupont has set aside one telephone which is used for no other purpose but customer follow-up. It is an outside wire that bypasses the company switchboard and its number is unlisted.

While Dupont's recovery rate is unusually high, Mr. Witherspoon is quick to make these observations:

First, he points out that there is no way of knowing just how many of the customers classified as "inactive" would have actually quit the plant.

Second, he notes that while sales have risen during the current year, the increase is not as sensational as the rate of customer recovery might seem to indicate. Washington like many other cities has had its period of recession. And the weather this year has been particularly unfavorable. But laundry sales are running about 6 percent ahead of last year and drycleaning is up more than 25 percent. The plant's biggest sales builder, Mr. Witherspoon believes, has been its customer follow-up program.

The prophets of doom fight a losing battle at Troy Laundry since management reorganized sales and promotion activities. Volume is highest in plant's 70-year history

2 ND *

The Business Is There ... Just Ask for It!

By JOHN PHILIP GRIENE Troy Laundry & Dry Cleaning Co., Hagerstown, Maryland

IN 1957, TROY was like the majority of laundries today—sales dollar volume up over preceding years, due to the constant price increases, but poundage down, due to poor sales control and lack of sales promotion to offset the steady growth of home washers, etc.

Here was a plant that at one time employed over 350 employees and to-day has slightly under 200. However, inasmuch as wages had more than ripled during the past 10 years, the productive payroll (46 percent) and gross payrolls were at an all-time high. Profits were down for, since the plant was running to about 80 percent capacity, the tremendous overhead of a large physical installation absorbed practically what was left of the sales dollar after deducting payroll and supplies.

The problem confronting us, therefore, was to increase our sales above the break-even point—a problem which faces most of the large family laundries today. And, therefore, the question arose—what to do?

First—we made a careful analysis of what business we had and how it was serviced. We had 17 routes in addition to our call office, some good and some bad. Quite a few of these routes had large wholesale accounts such as hotels, motels, hospitals, colleges, etc., which formed the bulk of

their work. In fact, the drivers (I call them drivers then) were spending most of their time around the plant waiting for their wholesale accounts to be finished.

We had an excellent sales manager. (He was and still is the mayor of the neighboring town.) We also had a pretty fair assistant sales manager, a likable fellow who could talk a bundle out of a customer as well as anyone. But were these two supervising sales and salesmen? Indeed, they were not! They were two of the best paid extra drivers any plant could possibly have.

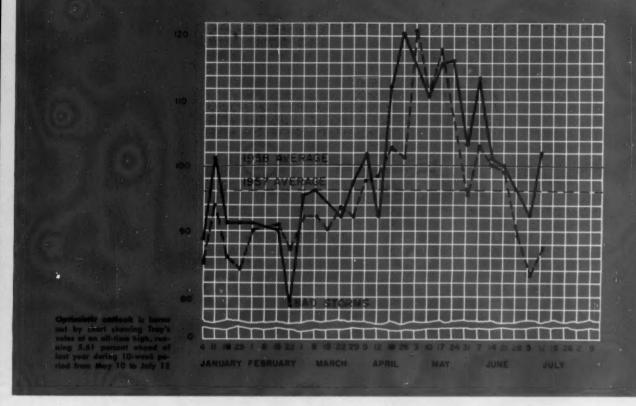
Second, we studied our advertising. True, we advertised on the radio and in the local papers, but without rhyme or reason. Our ads were of the stereotyped variety that can be and are purchased by the majority of laundries that do any newspaper advertising. Our radio scripts were written by those who had never seen the inside of a laundry and knew little about our production or sales problems.

As for sales promotion and public relations—they were practically non-existent. Except when a Troy truck went down the street or when someone passed our conveniently located plant in the exact center of the city, Troy was rarely given a second thought.

After our self-analysis we came up with the following program.

OUR PLAN

- Convert our sales managers from "extra drivers" to sales supervisors with emphasis on customer control and expansion of routes.
- 2. Employment of a sales promotion manager and an effort made to effectively promote Troy in every possible way.
- 3. Addition of wholesale routes to handle wholesale work now being picked up and delivered by family routes. Added family business to be solicited to offset the wholesale work taken off family routes.
- 4. Coordination, improvement and expansion of advertising.
- 5. Added emphasis on improving quality so the salesmen would have the best possible laundry bundle to merchandise.
- 6. Fast and efficient settlement of all claims so that Troy would uphold its reputation of being a "responsible" plant.



TO OUR CUSTOMERS

No Recession-No Depression-Thanks To You

The Troy Loundry & Dry Cleaning Co. and its Union - The Loundry and Dry Cleaners' Local 464-Amalgamated Clothing Workers of America AFL-CIO have just negotiated a new contract for 1958-'59. The new contract, formulated after very amicable negotiations, calls for no increase in pay and therefore no increase in laundry and dry cleaning prices for you, our customers.

Instead of pessimism-aptimism prevails. During the past year not one employee was laid off a single day for lack of work. Business is good and we're in hopes that you make it even better. Rather than tightening our belts - we are expanding. New electronic loundry and dry cleaning machinery has been added and much more is in the blueprint stage which will make Troy the most modern quality family laundry in the entire state. Our rug dep't is second to none and we are now proud members of the National Institute of

Our Pillow Bar was the hit of the Home Show and our huge storage vault is rapidly being filled to capacity. Our thousands of customers have faith in us and we have faith in them.

Our employees and management are active in community affairs and public relations. Troy was one of the few firms awarded a plaque for outstanding achievement in the Community Fund drive. We have pledged full support to the Concer Society by collecting and sterilizing linens. We stand ready and willing to aid any worthy cause that will help keep Hagerstown and Washington County the fine community of which we are proud to be a part.

AGAIN MANY THANKS.

The Troy Laundry & Dry Cleaning Co.

John Philip Greens General Manager

C. Miller Petro

Hazel Moulden, President

erge Merker, Vice-President Rath Long, Secretary

OUR EFFORT

First, two extra drivers were employed so that the sales manager and his assistant could devote their time and energy to customer control and solicitation of new customers. Routemen were given forms to fill out weekly, telling what customer had terminated service and why, what new customers were secured and what complaints customers had regarding quality, claims or service. From that point on lost customers were immediately contacted by sales supervisors and an effort made to regain their business.

New-customer bundles were carefully inspected and every effort was made to give them personalized service. This was also true of those customers who had complaints of one sort or another. In fact, every possible effort was made to hold every customer that we had.

For our sales promotion man, we selected a former route salesman who had done an excellent job on his route

Tired of talk about recession, Troy let its customers know it was doing well. This particular advertisement appeared just after the last union contract had been signed. Union affiliation is stressed whenever it is possible



Participation in local Home Show gave Troy opportunity to talk about and demonstrate its new pillow and rug cleaning services before 49,000 people who attended the week-long exhibit



"The largest quality family laundry serving Maryland, West Virginia and Pennsylvania."



HELP!

The Washington County Chapter of the American Cancer Society is urgently in need of your old worn **SHEETS** for patients in this area. **PLEASE**-call RE 9-0986 and Troy Laundry will pick them up, launder and sterilize them and deliver them to the local chapter without charge.

P. S. This appeal is directed to non-customers and customers alike but we anticipate more calls from the former. Why? Linens laundered at Troy last so much longer!

CALL TROY TODAY



TROY LAUNDRY & DRY CLEANING

COMPANY

59 E. WASHINGTON STREET

FOR INFORMATION AND HOME DELIVERY CALL RE 9-0986

"Our Employees are members of Laundry and Dry Cleaner's Local Union No. 464—Amalgamated Clothing Workers of America AFL-CIO"

Community projects such as this appeal for worn sheets for the Cancer Society are frequently plugged in Troy's ads. The P. S. reads: "This appeal is directed to non-customers and customers alike but we anticipate more calls from the former. Why? Linens laundered at Troy last so much longer!"

but because of a heart attack was no longer able to perform the duties of a routeman. This man was an exceptional solicitor of new business, getting 20 new customers a day.

Together with the sales manager, he began a complete canvass of one of the routes which had wholesale accounts. In a matter of weeks they had built up enough new business to take off the wholesale accounts and start a new wholesale route.

This was repeated on several other local routes with wholesale accounts, with the result that we now have two wholesale routes doing around \$1,000 a week between them. At the same time, enough new business was ob-



Union president Hazel Moulden congratulates general manager Greene as he shows letter notifying him his sales story on Troy won second prize in Starchroom's Parade of Progress Contest

tained so that these family routes are well over last year's sales even though they had lost their wholesale accounts.

Attention was then given to other routes in order of their need for increased volume and every section was carefully canvassed for new business. At present, we have covered about half of our territory with exceptionally good results. It is our aim to contact every potential customer in the three-state area that comprises our territory.

In making solicitations the canvassers were furnished with calendars, book matches, match-book covers, letter openers, address books, telephone book covers, etc. These provided excellent door-openers and were well worth the expense.

Public service in ads

A careful appraisal was made of our advertising and an effort was made to coordinate our radio scripts with our current newspaper ads. The latter were used to good advantage in public relations since they promoted civic activities and affairs.

As one of our directors was in the outdoor advertising field, a very elaborate arrangement of outdoor bill-boards was provided for the four major highways coming into Hagerstown. These three-dimensional 50-by-18-foot signs have interchangeable messages and services which are changed every three months.

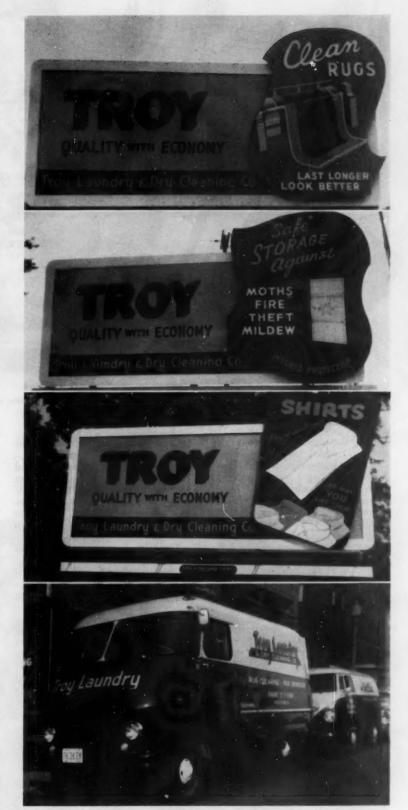
The company spends 1½ percent of sales on advertising and sales promotion.

Careful attention has been given to both the uniforming of the salesmen and the appearance of the trucks. Both winter and summer uniforms are provided the salesmen, The company pays half the cost of the uniform and provides for their cleaning and maintenance. Trucks are modern and well painted and lettered. The color scheme of the trucks is also carried out on the billboards and wherever else possible.

Quality backs sales efforts

In the plant itself, every effort is being made to improve and maintain quality. New shirt units have been added as have a nurse's uniform unit, a sports shirt unit, new drycleaning formers, new sewing machines to improve repairing, etc. Plans have already been drawn up for a complete automatic washroom, mechanical loading extractors, conditioning tumblers, conveyors, flatwork spreaders and automatic folders in an effort to speed up production and at the same time maintain quality.

A new rug beater was installed in



Troy tries to coordinate its advertising even to the point of using the same colors for its route trucks and its billboards. Note how the three-dimensional panel facilitates changes in billboard copy



Door openers used effectively in Tray's solicitation program include pens, pencils, letter openers, matches and match-book covers, address books, season passes and telephone directory binders

the rug department and new equipment was added for on-location rug cleaning. Membership in the National Institute of Rug Cleaning was obtained and full advantage of all its benefits has been secured. Local decorators and furniture stores, when advised of our NIRC membership, now recommend us to all their customers.

New equipment was obtained for sterilizing pillows and a state license was obtained for that service. Inasmuch as we service some 40 hotels, motels, hospitals and colleges, better than 100 pillows are processed weekly, resulting in a new and very profitable source of income.

In the drycleaning department, free mothproofing and free water-proofing were provided. Garments were packed in plastic bags and greater emphasis was placed on stain removal and repairing.

Every effort has been made to publicize Troy in as many ways as possible. At all fashion shows we have volunteered men and trucks to move the clothes and effects. Consequently, these stores have recommended Troy for drycleaning to their customers. At the annual Home Show, Troy had a large exhibit which proved to be the hit of the show. Here employees demonstrated the cleaning of rugs and pillows and explained Troy's

many services to the 30,000 to 40,000 who visited the Home Show.

Since Troy is a union plant and Hagerstown and other nearby cities have many strong unions, we have advertised our union affiliation whenever possible. We believe that it has helped us in many ways to secure new business.

Troy has made it a point to help out with all community affairs, Its employees went all out in the Community Fund Drive and Troy was awarded a plaque for 100 percent outstanding participation,

We have aided the County Cancer Society by collecting and sterilizing linens free of charge. This has given us personal contacts with many prospective customers. Troy's officers and employees are active in all service clubs, church associations, sportsmen's clubs and every activity in which they can be of useful service to the community.

OUR RESULTS

As a result of our concentrated effort in sales promotion, public relations, advertising, sales control, quality work and reputation for dependability and service, Troy is now in the enviable position of having to work over-

time six days a week, This is particularly pleasing at a time in midsummer when laundry and drycleaning volume is generally at its lowest ebb. In fact, our volume of flatwork is so heavy at present that we are seriously considering operating an extra shift. For the past eight weeks our volume has been running almost 10 percent ahead of last year's volume, and the week just finished showed an increase of 15 percent over the same week last year.

In addition, our box storage and regular storage have showed an increase of over 25 percent and our rug volume increase is even more gratifying

Many other contacts have been made for new business and about half of these leads show positive signs of materializing.

Not only is the sales figure at an alltime high but the profit picture is excellent, too. At the present time our profit is about double last year's and we are in hopes that it will prove to be even better. Thus we feel that our efforts in increasing sales have paid off.

The writer apologizes for any and all mistakes in the presentation for, frankly, he has been so goldarn busy getting out the laundry that he almost never wrote this at all!

OUR FIVE-POINT SALES PROGRAM



Boston Cleaners had no secret formula that could account for the 9.4 percent increase in sales last year, but its longrange program for the sales department worked like magic

By IRVING A. SPALDING, JR. Boston Cleaners and Shirt Refinishers, Scranton, Pennsylvania

THE PLANNING we did and the techniques we followed in realizing a substantial increase in sales during the year 1957 were based purely on standard techniques followed in other industries for many years. We had no magic formulas; we did not require extensive services of personnel outside of our own organization; and, most important of all, we did not anticipate

immediate results on the various methods employed to stimulate the sales program.

We did, however, attempt at all times to adopt the various methods of sales programming used in other industry, but always with an awareness that our company must use a fresh approach to an old problem.

Our sales increase for the calendar

year 1957 over 1956 was 9.4 percent. Cold calculated figures such as these do not necessarily tell the story. We are quite proud of the figure because of what it implied and because of what, going into 1958, came true. That was a continued increase in all departments. Our pleasure 'vas derived from the fact that our program resulted in a higher sales volume but



First shirt unit was installed at Boston Cleaners early in 1956. Although the plant had a weekly volume of nearly 2,000 shirts to begin with, management little realized what an important sales booster this would become through promotion



in a community that economically has been classified as a "distress area."

To illustrate with any degree of accuracy how we managed to realize this sales increase, it is necessary to present background material, as without this information we have no story. Actually, our sales program is the final step of a long-range program set up during the postwar years.

At the March 1957 meeting of our sales force, our sales manager presented a talk to remind the veterans of the sales department of what had happened in the past and to illustrate to the newer members of the department what had happened prior to their employment.

The keynote of the sales manager's speech was the introduction of a fivepoint program for the sales depart-ment for the year 1957. This program was, we feel, responsible for our sales growth:

1. Increased advertising tempo.

2. Better packaging coupled with a concentrated program of quality control throughout the production line.

3. Monthly study of individual route sales based on previous performance of a year ago but in relation to territory covered.

4. Strict compliance with procedures

5. Rigid route control system.

Before discussing the five points mentioned above, it seems appropriate to explain in more detail the success realized in one extra service intro-duced—shirt laundering. We feel that this extra service provided us with a most effective tool in that it subsequently became a primary factor in boosting sales.

Our company has for the past 72 years been a name associated with cleaning and dyeing. Normal extra services were provided; i.e., rug cleaning, hat cleaning, invisible mending, furniture repair and cleaning, etc. As the years passed, however, some of the

The final ad used the same format as the teaser campaign. It was six columns wide by 18 inches and ran in red and black. Management is convinced readership on color ads is above average

SIX MONTHS AFTER installing first shirt unit Boston began series of teaser ads to announce addition of second shirt finishing unit to its operation. The first ad was used in six scattered spots throughout afternoon paper two and three days before final ad appeared; the second appeared in half a dozen places the day before; the third appeared in 10 scattered spots day final ad was run





extra services were found to be unprofitable and were eliminated.

Our introduction of shirt laundering was in January of 1955. At that time we made arrangements to have our work done by a laundry located outside of our trading area. Our work served as an additional source of revenue for the laundry yet was noncompetitive in nature, while we were afforded the opportunity of testing our salesmen in a new line.

It was our contention, and so we told the routemen, that there was a tremendous shirt laundry market available. We did not feel that our greatest source of work was "from the other fellow." We contended, first, that with a proper sales approach followed up with a "better than average" job, the housewife doing the shirts at home would be glad to give up the shirt laundering chore. Second, the automatic washer was making the housewife's chore easier but it still was a task to iron her husband's shirt properly.

Finally, by doing an outstanding job and then virtually requiring our routemen to make the customer inspect the finished product at delivery, we world make the customer realize that we were serious about this new service and that we were proud of our quality control.

We went so far as to allow routemen to launder two shirts free just as a means of introducing this service. This latter technique was very successful. It wasn't the free job that was the clincher; rather, the opportunity to show the housewife what a professionally laundered shirt looked like seemed to close the deal for a steady customer. True, we managed to get customers who were accounts of other laundries. However, the bulk of our customers were so-called "nonusers" of laundry services.

In solicitation of shirts for professional laundering we took advantage of the news release from the American Institute of Laundering Research and Educational Center regarding life expectancy of a man's shirt laundered professionally. We used the AIL slogan: "It's the wearing not the washing." We could not then, nor can we now, actually compete with the commercial laundry that offers family wash. Our accounts are strictly drycleaning and shirt laundry customers.

In March of 1956 we installed our own shirt finishing unit, Our volume was approaching the 2,000 figure and we were convinced that doing our own work would improve our quality. Also, it would provide our routemen with more incentive to sell the service since any questions regarding service or quality could be answered satisfactorily by our own management.

As evidence of our growth following the installation of our unit, we can report that a second unit was installed six months later, September of 1956. Our volume had gone over the 3,000 figure and we were still growing. Going into 1957 we had the nucleus of a good shirt business and we planned on making the year 1957 one of more growth.

Five-Point Program

1. Increased advertising tempo

Our advertising is not based on an endless chain of "half-price sales" or "two-for-one's." We put particular emphasis on service and quality and then throughout our production departments back up these claims with adequate quality and service.

The various media of advertising available are still taken into consideration in order to reach as much of the public as possible. Putting our advertising eggs in one basket limits the number of people we can reach. All phases of the program are coordinated: one integrated program, tying in newspaper ads, radio and TV spots, bundle inserts and sales personnel training, gives the opportunity of driving home the story we are endeavoring to tell.

Finally, the sales force in a service industry must be as proud of the service being sold as is the salesman selling a tangible product. With management providing good service and high quality, plus a quick-action policy on claims, the sales force has initiative to back up the advertising and promotion with aggressiveness and sincerity.

We set up our advertising budget at approximately 3 percent of sales.

The decision to spend this sum of money on advertising was not so difficult as it was to determine how to spend it wisely. To spend wisely required the services of an agency, yet on a limited basis, because we knew the story we wanted to tell and we had a pretty good idea as to how we wanted to tell it.

Actually, our advertising dollar was funneled into the following: newspaper display ads, newspaper "reader" ads, radio spots, television spots and television sponsored shows, theater advertising (color spots on all phases of the industry), Welcome Wagon calls, yellow pages of the telephone book, "prize" letters for card parties and church socials, bowling team sponsor, etc.

A most effective technique was the giveaway at time of solicitation. A sugar scoop with our name imprinted was given the potential customer with a twofold purpose. A handy gadget for use in the kitchen with our name and telephone number always in sight, and also to serve as a "peace token" if the housewife was reluctant to hear a sales pitch because she was busy or not in the frame of mind.

Another effective giveaway was a plastic juvenile hanger, of which 1,000 were distributed. This item was promoted on a live TV program for children, "Romper Room." It could be secured from any of our routemen by having "your mother call The Boston and ask the routeman to bring your own hanger so you can always hang up your clothes."

We feel that trying so many varied







Rotogravure section of local Sunday paper was used to announce Boston's latest addition because rate is more effective way to present a picture story. Boston works with the Arthur Morse Advertising Agency on its presentations

approaches to the customer resulted in a saturation program of promotion and that reaching as many different audiences as we did was most instrumental in boosting our sales volume.

2. Better packaging coupled with a concentrated program of quality control throughout the production line

This particular phase of our program we based on the nationwide trend of making a good job look better through unusual packaging. We had from the beginning packaged our shirts in cellophane paper-back bags and then wrapped the bundle in brown kraft paper. Our change in this department was to switch to a polyethylene paper-back bag for each shirt and then box each order. Switching to polyethylene represented a considerable saving in bag cost which we applied to the extra cost of the box.

What we accomplished was a far

superior product being delivered to the home. With a box for protection, we advertised our "maintenance of quality from the shirt finishing unit to the home." Routemen commented almost immediately about customer satisfaction.

Our big advantage was that we were the first in our area to adopt such a packaging plan.

Packaging was one of the most significant changes we adopted in 1957 and it is a subject under constant discussion to seek improvement.

 Monthly study of individual route sales based on previous performance of one year ago but in relation to territory covered

In order to give each routeman a better picture of his particular territory, we set up a plan of "Route Sales Analysis" for each month of the year. At the conclusion of each month, a report is given each routeman on which is indicated the following:

- (A) Gross sales of route for month—current year;
- (B) Gross sales of route for same month year ago;
- month year ago;
 (C) Drycleaning sales for month
- current year and year ago;
 (D) Shirt laundry sales for month
 current year and year ago;
- (E) Percentage of increase or decrease over last year;
- (F) Percentage of increase or decrease of all routes combined. (In other words, how did the individual route percentages compare with the all-route average?)
- (G) General comments of sales manager or route supervisors on performance.

The figures in these reports are discussed privately with each and every routeman. Any personal comments that need to be made are done at this private meeting. At monthly sales meetings, however, any outstanding performance is always recognized.

Sales meetings on a scheduled basis (the first Monday of each month) are the backbone of our sales program. At these meetings we try to accomplish three things: (1) point out our mistakes of the past month; (2) discuss the various promotion ventures which are then in effect; and (3) discuss briefly what is in store for the immediate future and thus lay the groundwork for any particular program or drive we have in mind.

Dispensing of information is not confined to these meetings. We instituted in 1957 the periodic release of Sales Bulletins which are, in effect, the thoughts of management on any particular phase of the plant operation or on some technique related to sales. Each routeman, as well as other sales personnel, is provided with a special folder for the filing of this information.

We found the oldtimers a bit reluctant to accept these bulletins in the manner in which they were presented. However, when any of these veterans would ask any of the sales management personnel a question which had been answered in a bulletin, he was told to refer to his copy and to digest the contents thoroughly and, in so doing, become more familiar with the subject about which he was making inquiry.

4. Strict compliance with procedures

It was generally agreed by management personnel that a "get tough" policy had to be adopted. Sales personnel in our organization had allowed their groove to become a rut. With introduction of new techniques during the past, we had resistance from the veterans who always seemed to prefer the old way.

Our handling of this problem was by announcing that set procedures in the use of invoices, storage receipts, dye orders, etc., plus a set method of daily sales reporting had been adopted by management for specific reasons and that compliance with these procedures was imperative. Violators of these procedures would be warned and, if not heeded, these violators would be released.

To some this would seem to be a childish problem. Yet violation of techniques would always foul up some production department or clerical personnel and, as a result, increase costs. It was a particular problem of our company and, by adopting such a firm policy, it was solved.

5. Rigid route-control system

In order to follow through on the previously mentioned four points and then tie the whole program together, we embarked on point five—rigid route control.

This was achieved by the appointment of a sales supervisor whose responsibility was to serve as a liaison man between the routeman and the sales manager. Our appointee was a man from within our own organization who, during his 10 years of employment, had graduated from a production worker to an "extra" route salesman and subsequently to his own route. His performance as a salesman plus his ability to get along with people was basis enough for his appointment.

This appointment, made effective April 1, 1957, was met with surprise by all sales personnel. It was recognized immediately that our appointee

Supporting material such as black-and-white ads, badges, bundle stuffers, radio and TV spots back up Boston's newspaper campaigns. Net results of increased advertising tempo: Shirt volume is up to 7,000 shirts per week



knew the business and would not, as one veteran put it, "come out with a lot of fancy ideas that would be unworkable."

With this appointment we set forth to concentrate on attitudes. Our initial approach was to change men who believed they were successful "drivers" to individuals who considered themselves to be successful "route salesmen." In effect, all men were told that delivery boys or drivers were a dime a dozen. If we were interested in having sales personnel available only to pick up work through telephone calls and then make delivery when the order was ready, there would be no reason for having such a meeting as this, and that we probably could get by more cheaply by hiring recent high school graduates who were capable of driving a truck.

Instead, the drycleaning and laundry business, it was pointed out, is as highly competitive a business as exists today. Being so competitive, a business makes salesmanship a prerequisite for the company's success.

Finally, the men were told that management would do all possible to provide aids in helping each and every route salesman. In return, however, he was required to take care of his current accounts better then ever before and at the same time to dig for new accounts and build the route up to a figure that represented success. No man would be required to meet an extra high quota; each man, however, was told that only a plus figure was going to be acceptable when it came to comparing results with a year ago.

Since that meeting of March 1957, I would say with particular emphasis that it was successful in changing attitudes. Men who were doing a good job did a better one; men who did a fair job made substantial gains.

Procedures Adopted in 1957

Hiring sales personnel

We had the occasion to hire new sales personnel during 1957. We were most selective, interviewing a minimum of six men from the total number of applicants for the sales position available. Much as we would have liked to utilize a *2sting program such as is employed by personnel departments in other industry, we were not prepared to adopt such a program. We followed, therefore, the normal procedure of interviews and selected the man best qualified.

One significant change we did adopt at this point, however, was in training. The new man was brought along at a slow rate. He was taken through the plant where explanations were made about the work of each department. This took several days. Next, a day was spent with the truck mechanic who is responsible for fleet maintenance. The mechanic explained the various pitfalls of truck maintenance and explained in detail how the carelessness of a truck operator can cause the company unnecessary expense.

The final training step prior to going on the road was a thorough understanding of all sales forms used by the company as well as the techniques which had been standardized for years.

Once these were understood, the new man was sent out on the road with the sales supervisor. Each subsequent step forward in doing actual sales work on the road was determined by the supervisor. An individual's ability to grasp routine varies and no set time limit can normally be applied. Our experience was that after one month of supervision on the road, the man was prepared to "solo."

At the six-week stage, the novice was interviewed by the sales manager as to his reaction to the job. At this meeting several points were ironed out. Some were rather petty, but still important to the man, while others were actually of larger degree, primarily because of lack of experience. At the conclusion of the interview the new man was advised that at that date his services were satisfactory and since he had indicated a continued interest in the work it was assumed that he wished to continue.

So far as management was concerned he had only one more hurdle to meet—the six-month analysis. At the expiration of the six-month period, his performance would be reviewed taking into consideration the following: sales performance, adherence to procedures, care of equipment, and general attitudes in relation to his work.

This technique was successful. We had to release one man at the end of the six-week period but his successor passed with flying colors. Our policy has been that it's a mistake to hire the wrong man for the job but it sometimes can't be avoided. The big mistake is to keep the wrong man.

Merit award

Careful analysis of route sales at the conclusion of 1957 prompted management to present a "Merit Award for Sales Performance and Procedures." This was an unannounced cash award and was given in recognition of the following points:

- (A) Route sales performance.
- (B) Personal appearance on the job and compliance with procedures.

- (C) Initiative and general atti-
- (D) Truck appearance (inside and out) and truck care.

To say the least, the four recipients of this award were well pleased. Those who did not qualify soon understood why as each of the above-mentioned four factors was discussed thoroughly. It is our intention to continue the motivation factor of a merit award.

Customer control

The sales program included a customer-control system whereby a relief or substitute routeman could take any of our 12 routes and run it as efficiently as the regular man.

Our control cards are filed according to route schedule and each card contains all pertinent information about each customer.

Having two extra men, plus the sales supervisor, has enabled us to do a lot of solicitation work. The extra men not only learn the specific routes but they also do "door knocking." Our sales supervisor at the outset of the year told all route salesmen that door knocking was a must to build business, and not to rely solely on company-sponsored advertising.

Conclusions

We feel that the growth realized in 1957 is only the beginning,

Our desire is to follow through on our current planning. We intend to take one step at a time and adopt only a tested method. We don't intend to panic because of competitors' low-price promotions or because of recession talk. If we can maintain within our sales organization the *esprit de corps* that now exists, we can't help but go ahead.

As to results of a specific nature, again the outlook is promising. During 1956, of our 12 routes, 5 failed to average the sales figure we had set up as a minimum requirement per week. During 1957, however, only three failed to reach this figure but one of these three was so close that we know his 1958 performance will be ahead.

As to our relatively new extra service, shirt laundering, since it had reached close to a 7,000-shirts-perweek average at the end of 1957, we purchased and installed our third finishing unit in January of 1958. Our shirt volume increase has been, we feel, most unusual and it can be traced to three main factors: (1) a good laundry job; (2) a good selling job by our sales personnel; and (3) planned advertising designed to reach new customers.

Any Plant Can Be Improved

A newcomer to the industry buys an old plant, applies his engineering talents to laundry management problems and makes some startling improvements in three years time



By WILLIAM B. KATZ Washington Laundry and Drycleaners, Evanston, Illinois

ANY PLANT can be improved—some a great deal, some to lesser degree. No plant is perfect. The opportunities for improvement and the results that can be accomplished in a plant that has not been kept up to date are startling.

In our plant, a modernization program resulted in eliminating 27 employees from a payroll of 98, with a reduction in productive labor costs from 33 percent to 24 percent of sales. These results are illustrated in Tables I and II.

This is only part of the story. The following improvements, which are in addition to those made with the object of improving production efficiency, have turned an antiquated, low-morale plant, operating at a loss, into a modern, aggressive, spirited plant with a profitable P & L statement.

- 1. Plant-painted and cleaned out.
- 2. New sprinkler system installed.
- 3. New elevator installed.
- New synthetic water softener installed.
- 5. Drivers all put in uniform,
- 6. Sales contest program installed.7. Planned and budgeted merchan-
- dising program installed, including packaging, sales supervisory training, advertising and public relations.
 - 8. Consistent claims policy started.
 - 9. Sales-up 20 percent.
- Machine bookkeeping installed.
 Comprehensive insurance pro-
- gram installed.
 12. Effective preventive mainte-
- nance program started for truck fleet. 13. Adequate operating supervision, provided with assistants in training, in all production departments.

- Control laboratory for plant operations installed.
- 15. Systematic quality inspection procedures started.

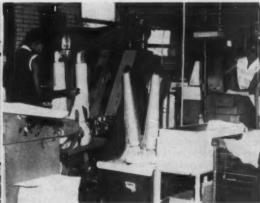
How we did it

The procedures followed to accomplish these results were simple—and can be followed by anyone.

- A written analysis of operations and objectives for improvement was prepared. It was detailed—the plan covered both sales and advertising and all plant operations, and took over two months to prepare.
- 2. With these objectives in mind, a program of plant visitation was started. The AIL plant in Joliet was used for comparison of equipment—



Plantowner Bill Katz is a chemical engineer by profession but his procedure for plant improvement can be followed by anyone. He still keeps his hand in scientific work by testing supplies and textiles for the plant



In modernizing its shirt and wearing apparel department, Washington eliminated five employees, saving about \$12,000 a year. Changes in flatwork department saved \$14,000 more

and many Midwestern plants were screened for production data, maintenance costs, etc. The visits were combined with many contacts with equipment manufacturers. This program of data gathering extended over a six-

month period.

3. Instead of using a consultant, several members of a small mutual self-help trade group (we call ourselves the Midwest Laundry Conference) visited the plant to suggest improvements, and to criticize plans and conclusions tentatively reached, Much work was done on a drawing board to sketch layouts. Workflow was studied on many alternative layouts to eliminate unnecessary handling of work being processed and transported.

4. Both poundage and piece-flow charts were made, showing the maximum, average and minimum flow rates through the plant. Alongside was set the number of people we planned to operate with, using the best production figures seen in plant visits (ignoring present equipment).

5. Next a chart was prepared showing the savings in people at each operation. Equated against this was the cost in machinery and construction needed to effect the reduction.

6. The changes to be made were blocked out into steps that had to be done as a unit. For each unit the rate of return of investment was calculated.

7. Changes were started with the unit making the most rapid return of invested capital, unless some necessary

step was a prerequisite.

8. There was an expected disruption of operations and a marked resistance to change, All kinds of reasons were advanced by plant personnel to prove that a planned change could not be made, or a productive goal could not be reached. We just closed our ears—careful planning had convinced us we were right—and insisted that supervisory employees say "How can we do this?"—not "We can't, because—!"

9. After the major changes were made, the next step was to look for ways to combine jobs. Study of the actual time spent in working on different jobs showed it was possible to combine many of them. For example, the jobs of a wet assembler (busy 60 percent of the time), a porter and bundle boy (busy 60 percent of the time), and a weighman (busy 50 percent of the time)—three people in all—were combined into two jobs. The weighman also shelved bundles and the assembler also transported them. Savings—one person.

There was objection, as expected, and a few new names appeared on the payroll here and there. Amazingly,

most people—even the oldtimers still seem to have idle time after all the changes have been made. Obviously more remains to be done.

The plant consists of three buildings. No. 1 is a two-story building with one elevator. An extension at one end contains two garages. The first floor contains the power plant, at one end. The second floor contains a partially modern washroom—three new washers, several old washers and extractors and, before the changes, held two old 6-roll ironers and an unused old cylinder ironer.

Building No. 2—two-story and basement (one elevator)—is separated from building 1 by an alley which must be maintained because of an easement. A bridge across the alley at the second-floor level connects these two buildings. The plant store and offices are at one end of building 2 on the first floor, which is some 6 feet above the level of the floor in building 1, because of the pitch of the street alongside the plant. A small extension off one corner—opening into the basement—served to hold 140° F cleaning equipment.

Building No. 3—two stories and basement—connects with building 2 at two places on the first floor and at one point on the second floor.

Before the "revolution," both laun-

Table I — Reduction in Number of Employees

	Sept.		Sept.		April
Full-time Employee	5	-		-	
Supervisory	5	5	4	4	4
Office	6	5	5	5	5
Route Sales	17	17	16	15	1.5
Laundry Production Drycleaning	48	42	35	32	32
Production Other (engineer, fireman,	12	12	10	10	10
mechanic, etc.)	4	4	3	3	3
Subtotal	92	85	73	69	69
Part-time employee	5				
Office	4	3	2	2	2
Plant	2	2	_	_	-
Total	98	90	75	71	71

Table II - Productive Payroll

	Sept.	Jan. '57	Sept. '57	Jan. '58	April
Laundry—(%	of	- Manager	months	-	-
Ldy. Sales) D.C.—(% of	30.6	27.3	26.6	25.0	24.8
D.C. Sales) .	38.4	36.8	26.6	28.3	22.8
Combined-(%					
Total Sales)	32.8	29.5	26.6	26.0	24.1
00000000000000000000000000000000000000	************	**********			

dry and drycleaning processing was spread over all floors in all buildings and was intermingled. Supplies were kept in two separate storerooms—one without elevator accessibility. Hand trucking and use of elevators were excessive. After the changes all laundry processing was on a single floor, though in two buildings, and all drycleaning processing was consolidated onto one floor of building 2.

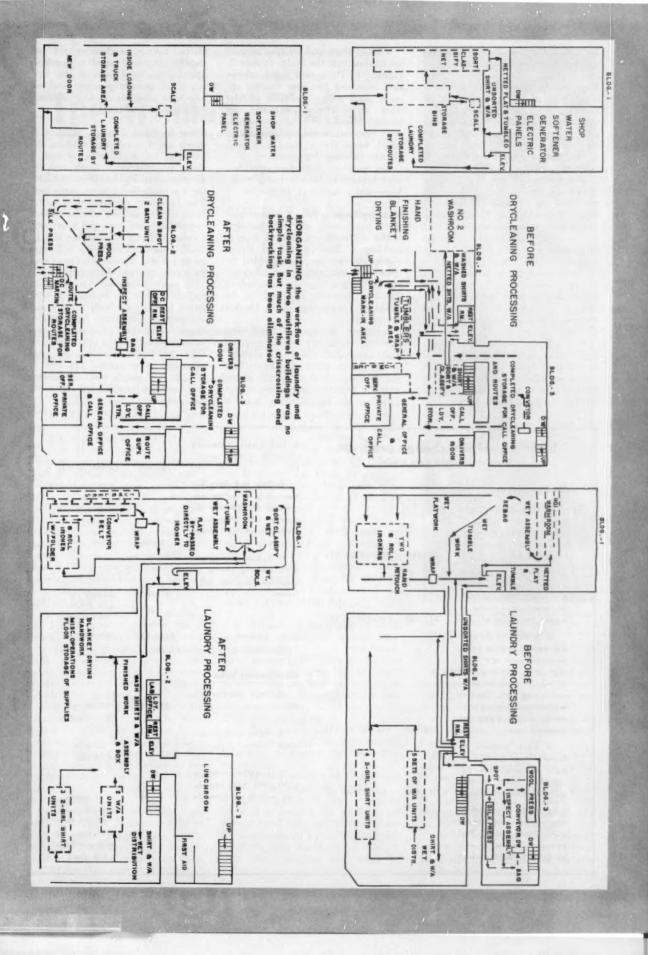
Original laundry flow: Bundles were brought into building 1-weighedshirts and wearing apparel separated and the remainder classified with a pin-and-net system, Nets were trucked to floor 2-washed-completely assembled by pin number - and rebagged into house bags. Flatwork was put through the ironers - hand-retouched-wrapped and trucked down to floor 1 to be shelved by route. Wet tumble work was trucked into building 2 and down to its first floor to be dried, folded and wrapped, then was trucked up to floor 2-across the bridge and down to floor 1 to be shelved.

Wearing apparel and shirts were trucked up, across, and down to floor 1 of building 2 to be marked and classified, and were washed there in a second washroom (ancient and creaky). Blankets washed there were pole-dried, wrapped, and followed the tumble work route (up, across the bridge, down) to the route shelves. Washed shirts and apparel were taken to floor 2, assorted by lots, and were finished on a battery of 3-girl shirt units and wearing apparel presses. Finished work was fed along a conveyor to an assembly area, to be boxed and trucked across the bridge and down to the route shelves.

Original drycleaning flow: Drycleaning was brought into floor 1 of building 2—was marked in and was trucked to the basement for wool spotting and cleaning. The cleaned garments were trucked to floor 2 and into building 3 for silk spotting and finishing. Garments were bagged individually, with a separate copy of the invoice on each, because of lack of assembly space—and were sent down a conveyor to floor 1 for storage. Drivers walked through the plant to get drycleaning and carried it out on their shoulders.

(Sound confusing? You can't imagine the unnecessary labor—excess handling—crisscrossed workflow—unless you, too, live in a similar asylum.)

The entire problem is not yet solved—a few more conveyors, chutes and area rearrangements are yet to be made. But the changes described be-



low effected the productive labor reduction shown in Tables I and II.

New laundry flow: Incoming work is weighed in on floor 1, building 1, by the man who puts finished bundles away on route shelves. A new door provided access for inside loading and truck storage in this room and removed the necessity of renting six additional garages.

Weighed bundles are trucked to floor 2 (eventually a conveyor will do this) and are classified (pin-and-net) behind the washroom. The two washrooms have been combined—all that was necessary was to move one 36-inch extractor upstairs. Flatwork is bypassed (washable stubs) directly to one new 8-roll ironer, which handles all the work, using an automatic folder. Tumble work is assembled by pin numbers—renetted if more than two nets—and fed along the front of the tumbler row on a slickrail.

Finished flat and folded tumble work feeds along the same conveyor to a single wrapper with an automatic wrapping table. Finished work is trucked downstairs by the weighman (a chute will eventually do this).

Washed shirts and wearing apparel are trucked over the bridge to floor 2, building 2. Three new 2-girl cabinet shirt units and two new wearing apparel units suffice to finish all the work. Finished work is boxed and trucked downstairs by the same weighman. Removal of old equipment provided room for a hand-work and blanket finishing department.

Net result—a single-floor operation with reasonable, noninterfering workflow—and a saving of 16 people.

New drycleaning flow: A modern synthetic drycleaning unit was installed in the old washroom area on floor 1, building 2. Modern slickrail layout eliminated two people—provided an open work area with storage of cleaning by route at the exit door—all in the area formerly occupied by 12 tumblers, a washroom and a blanket drying area.

Adequate storage for call-office cleaning, a drivers' room, a small route supervisor's office, and approximately double plant capacity—all on one floor—resulted from this move, with the purchase of no new equipment except the cleaning unit. A

marked savings in cleaning cost and greatly improved quality resulted. Spotting has been reduced (we now run 85-90 percent passups) and we now have adequate cleaning capacity, even in peak load times.

Other facilities: Floor 2, building 3, which was formerly the finishing department for drycleaning, is now a clean, air-conditioned lunch area for all employees. The basement of building 3 is unused—for future expansion. The basement of building 2—after being cleared of over 15 tons of junk—contains a well-arranged storeroom, a dehumidified and sealed box storage vault (which can hold over 500 boxes on racks) and a small processing area for a new division of the company.

A small laboratory has been installed on floor 2, building 2, with tested facilities for both laundry and drycleaning. Ultraviolet light—microscope—reflection photometer—pyrometer—and various reagents—provide the means for keeping plant processes under control (as well as facilities for simple research projects that keep me occupied and out of my superintendent's hair).

(in order chan	iges were r	nade)	rebagging at damp assem- bly.	\$3,000	\$6,500/yr. (3)
	Cost	Savings (persons)	6. Paint and rewire first		
Init Description			floor-bidg, 2. Lay tile floor		
1. Move extractor from			-install DC finishing de-		
oldg. 2-floor 1 to bldg. 1			partment (slickrail system-		
floor 2. Discard old wash-			move presses from second		
oom - rewire as needed			floor, bldg. 3)	\$4,000	\$4,500/yr. (1)
rom DC to AC	\$500	\$4,000/yr. (1)	7. Install-100 lb. syn-		
2. Remove old ironers			thetic cleaning unit in DC		
-install new 8-rall ironer			area—eliminate old 140°F		
plus folder. Move conveyor			system,	\$35,000	\$5,000°/yr.
(to wrapper) — rewire as					plus outside
needed from DC to AC	\$35,000	\$14,000/yr. (6)			work done
3. Remove all old shirt			Subtotal	\$107.000	\$50.000/vc
and wearing apparel press-			* Labor plus savings of nearly 1¢/		
es. Install three new 2-girl			moon pide on mige of hearty 14/	m creaning co	06.
shirt units, and two new			Miscellaneous items		
W/A units. Move assembly			miscellaneous frems		
and boxing area. Combine			8. New sprinkler sys-		
miscellaneous finishing jobs;			łem	\$15,000	\$3,500/yr.
set up blanket drying and					in insurance
handwork area	\$28,000	\$12,000/yr. (5)	9. Install synthetic resin		
4. Move tumblers to			water softener	\$2,500	\$800/yr.
latwork area; install auto-					in salt
natic wrapping table. De-			10. Combine storerooms.		
ign and build movable	** ***	41 000 / 15:	paint plant, build box stor-		
wrapping tables at tumblers.	\$1,500	\$4,000/yr. (2)	age vault in old storeroom.	\$3,000	? in morale
5. Install office machine				4-,	and efficiency
pookkeeping and change					? 1\$3,500 sales
plant tickets system. Start					of boxes
py-passing assembly area					and cleaning
or flatwork; install slickrail					first year)

The Woman's Touch

Everything that "doesn't work" is working at Monarch Laundries. Volume is at its highest, costs at their lowest since the boss's wife took over the management of the plant

By MARJORIE DOBBS

Monarch Laundries, Inc., New Haven, Connecticut

WHEN THE PRESIDENT and general manager of Monarch Laundries, my husband, Charles M. Dobbs, because of illness could no longer actively manage the plant as he knew it must be managed, he insisted that I try to do it for him.

We had to do something quickly as we were not making a good profit. The building was very run-down, and the machinery was becoming antiquated. The employees were not happy with their jobs or their pay checks. (They were made to feel very unimportant.) Our customers were no longer receiving the high quality they had been used to.

For a year and a half, the manager and I tried working together, but it turned out that Monarch was paying us to play "tug of war." Upon the decision of the board of directors, the manager was given an indefinite leave of absence, and I was appointed assistant to the president.

After the meeting, one of the board members said, "Well, Marjorie, Monarch will probably be run more like a home now than a business, but I have a feeling you are going to make good." This turned out to be the key to our whole personnel policy, and slowly but surely led us to our present-day environment.

Our plant superintendent had been with Monarch for 25 years but not in a management capacity. His salary was low. We decided he was capable of much more if he had training. Since I could not teach him, we decided to

learn together. I could go to the management conferences and visit the other laundries, to find out how they did things, and the two of us would put them to use at home. We also decided to use our heads to think of better ways to do things. The challenge of this situation gave both of us a terrific incentive.

There were so many things which had to be done, so much machinery which had to be bought. We decided the best way to start was to make a list of the things we would have to do, and then start by doing the most important ones first. I will list them just as we put them down then:

1. We wanted our quality to be as perfect as possible. Not by usual laundry standards, but by a "good housewife" standard. These I realized were not the same. I also realized that most laundries did not think this was necessary, so Monarch would be the only one with this kind of quality.

2. New packaging.

3. New claim policy.

 Increase the superintendent's wages by 35 percent, but make him worth it.

Replace about half of our machinery and equipment.

6. New pay rates, high enough to be able to demand the good job we wanted, and keep our help. You see we had to retrain all the help to quality work. This would not be easy.

7. Cut productive labor costs by efficiency.



Enthusiasm plus natural talent for organization have helped Mrs. Dobbs revitalize old plant and make it more successful than ever. Portrait is of Mr. Dobbs

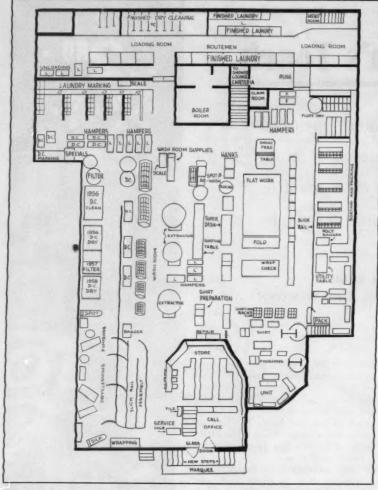
8. Generally clean up the plant and rearrange the flow of work. (I found later that our lot system was not carried through the plant.)

Install new metal windows in the shirt department, so as to have better ventilation.

10. Cut every expense to the bone, so as to have everything we needed, but not to waste anything

but not to waste anything.

11. New equipment in the offices. Switchboard, adding machine, type-writers, addressograph, desks and chairs. Everything was so shabby that it was depressing. The paint was peeling off the walls, we needed Venetian blinds and, if at all possible, air conditioning. The lights were of the worst



Modernization program involved replacement of about half of plant's equipment. Monarch has employed as many as 112 at one time. Number now varies between 69 and 79

New equipment and machinery—laundry: two shirt units, two button machines, sewing machine, poly bagger for wearing apparel, slickrail system in wearing apparel, shirt sorting tables, shake-feed table, finger roll, six hampers, fans for ventilation

New equipment and methods—drycleaning: slickrail system, bagger, steam-air finisher, two presses, temperature control, tubular filter, additional drier, perc booster, Orlon-Dynel deep-pile finisher

type, and the efficiency of the workers was not being utilized.

12. Bonus system for the route salesmen, Paid holidays and sick leave, There was too much favoritism without set rules.

13. A new kitchen in our cafeteria. The old one was 35 years old and managed poorly. The importance of this would be invaluable for morale nurnoses.

14. Tear out the front of the building, where there was a little "hole in the wall" store. Put in a glass front and a new interior. I was sure business would increase fast, and would pay for it.

15. The building was a dirty gray, with red trim. I felt a laundry should

look like a dairy. Clean and white, so we had it painted all white. An aluminum marquee, and all new steps, with a black iron railing.

16. Our corner lot needed landscaping, dogwood and lilac bushes, Pachysandra and myrtle. None of this needed much care but would be beautiful. A credit to Monarch.

tiful. A credit to Monarch.

17. Our signs were outmoded and noneffective. We needed new ones.

 And, last but not least, I would like to make a nice profit while doing all this.

After reading over this list, we realized it sounded more like a pipe dream than a reality, but I was convinced it could be done. How long it would take would depend on us.

We started by rearranging parts of the plant to save steps and space. The flow of work now comes in one door and goes out the other. We got rid of all the unnecessary junk. As we cleaned out the plant the employees began to get a lift and so did we.

We went over the payroll and set up new pay rates. We made them high enough to be able to demand a good job. The incentive pay soon weeded out the poor workers. Our marking room has had no new faces since, where before they changed every few weeks. Our pay rates are increased from 20 to 80 percent. Even before these increases our pay rates were above average in New England.

Some accomplishments

Our productive labor costs have gone down 3½ percent. We did this by eliminating jobs, with new methods, machinery and incentive pay rates. For instance, we had six markers; we now have four. We had six packers, and now have four. We have ten in the shirt department instead of fourteen. Six in flatwork instead of eight. One washman, instead of one and a half. Altogether we have twelve less workers.

Mr. Dobbs tells me that we had 112 employees at one time. We now have between 69 and 74, depending on the season. This is the way we were able to pay higher rates and have a lower productive labor cost.

On March 31, 1958, we closed our

On March 31, 1958, we closed our books on the highest volume year in the history of Monarch. The lowest productive labor costs, and the highest pay rates in our history.

Our office is managed by my daughter, Joyce Dobbs, who followed through in the office with much the same incentive plan as we had in the plant, except a shorter work week with more pay was the incentive. The office has had a 20 percent increase in pay, with a 41/2-day work week instead of 5 to 51/2. If it is necessary to work five days, they do so cheerfully. They do more work in less time, and although this has not saved us dollars by itself, their loyalty and dependability are worth more than money. They watch for ways to save and have often found them, just because they are interested.

We put in new packaging throughout the plant. Our wearing apparel is put in poly bags as well as our drycleaning. Our blankets, pillows, hand ironing and specialties are all wrapped in plicible.

We painted the cafeteria with three coats of white paint and put up Venetian blinds. Installed a whole new kitchen. We have it under new man-

agement now, our superintendent's wife. She is such a good cook that some of the girls are now taking dinner home for their husbands. Food is served almost at cost.

Our quality now is so high we often have heard it said that our competitors don't even count us when they compare, We are considered in a class all by ourselves.

Plant tours featured

We run paid tours through the plant, and have the visitors fill out cards saying what they enjoyed most. The things mentioned most are the cleanliness of the plant and workers, efficiency, and high caliber of help. Quality of work. Wonderful feeling between help and management. The fact that there is no bad odor. In fact, some of them say it smells so good. And the fact that they see no soiled clothes. They sometimes apologize for taking the check (50 cents for each person), they have enjoyed themselves so much.

Our help love the tours, and have become so proud of their association with Monarch that they are always trying to get jobs for their friends or relatives. We actually have a waiting list, Our unemployment rating for unemployment compensation is as low as possible in Connecticut.

The superintendent's wages have

been increased, and he is very well worth it. It was not easy for him to change the habits he had formed over the years, but he has soapsuds bubbling out all over, so he succeeded in doing it, anyway.

Our new claim policy has resulted in the very best customer relations, and at the same time claims have been cut down.

Aisles marked in yellow have been laid out through the plant to keep everything out of the way and encourage neatness.

The building has been changed according to plans, and our corner lot planted. The customers, much to the amusement of the clerks in the cashand-carry store, ask if Monarch has new owners. Our girls, having typical woman's pride in another woman, tell them, "No, the boss's wife has taken over."

Since all we have done could never be put down in so few words, let me say that all of the things on our list have already been done and then some. A look at the floor plans of the laundry and drycleaning department, after the changes, will tell the story.

Now I am sure that the big question in your minds is, how did we pay for all of this? These things all cost money. You are right; they sure do. We did this mostly by cutting all of the waste. You would be surprised how much you are wasting, when you

go on a campaign to cut cost and mean it. If you can gain the cooperation of your employees first, the sky is the limit.

True, we spent what we saved again, but we got something for our money this time. Anyone who has not been in the plant for a while says that he just can't believe it. When Mr. Dobbs came in on May 9, 1958, he had not seen it for a year and a half. He said, "Where are all the people?" The 12 people had been eliminated gradually, so we were used to it, but it was quite a sheck to him. There is no doubt in my mind that he influenced much more of it than any of us realized, as we went along.

I have no complexes about being a woman in business, but I did realize the fact that in order to get the confidence of my employees I could not afford to fail at anything. I had to be doubly sure each thing I changed or new system I put in would not fail.

The route salesmen were the hardest to convince. Shortly after our sales manager was released, I received a letter from the route salesmen at a sales meeting. It asked for all kinds of new and increased benefits.

Our route salesmen were already very well paid, and had already had some of their commissions increased. They were getting paid holidays, which they had never gotten before. I had put in a bonus system which

How We Saved \$29,000 in One Year

- 1. We eliminated four shirt operators with new shirt machines. Savings per year-\$9,600.
- 2. We had 12 trucks. Now, since we only had 8 routes, what did we need 12 trucks for? If we kept them in good repair, 10 would be enough. Instead of buying one, I sold two. Savings per year—\$1,000.
- 3. Through this I realized we did not need a full-time mechanic at \$90 per week. I made other arrangements for repairs. The trucks are in much better condition now. Savings the first year on labor alone—\$2.080.
- 4. Our washman agreed to take a \$10 a week raise, and eliminate a half-day man who helped him. He is delighted with it this way, Savings—about \$1,000 per year.
- 5. We became selective in our choice of magazines and papers. Savings-\$100.
- 6. I found that we had a standing advertisement in the Sunday paper. It said, "Monarch Laundries, New Haven's Best." Nice? Maybe, but I could think of a lot better way to use \$1,200 a year.
- 7. We had advertisements on the front of three city directories, I took it to a girl in the office who had used it for 15 years. It had been there for 20. I put my hand

- over the ad and asked her what was under my hand. She didn't know. She couldn't believe it when I showed her. Needless to say, I saved another \$1,400 a year.
- 8. I put our cash-and-carry store in our main building on salary instead of commission. We had rebuilt the front of the building and built a new store. This had attracted a lot of new business, which I felt the salesclerk was not responsible for, Savings—at least \$1,000 per year.
- 9. We arranged our financial affairs to be able to pay our bills in 10 days and take the discounts. About \$600.
- 10. Our interested employees were beginning to pay off. Our claims were cut down. Over \$1,000 per year.
- 11. I let our sales manager go, and then discovered I could handle the sales and advertising so easily I didn't hire another. The office handles the paper work, and if I am not there the superintendent is in charge. Savings—\$5,700 plus bonus.
- 12. On advice of the American Institute of Laundering, we installed a shake-feed table in the flatwork department. This eliminated two employees. Savings —\$5,200 per year.



Shirt units were reduced to 3-girl setups, saving four operators. Girls get 4 cents per shirt per unit and garantee rate of \$1.25 an hour. Maximum production is set at 100 shirts per hour. Plant averages 6,000 shirts weekly

gave them from 5 percent to 10 percent of all increased business which they did during the year. They had only their own route to compete with. However, the top man gets 10 percent and the next 7½ percent. All the rest get the 5 percent. This system increased one man's pay 38 percent. The first year the top bonus was over \$700. Payment is made just before Christmas.

However, they saw all the improvements going on, and heard about the raises the plant employees were getting. They asked for a meeting, and named about six things they wanted. Each one I talked to seemed to make the same statement some time during the conversation. "We are the most important employees you have, you know. What would you do without us?"

I knew there was an answer to that one, if I could just think of it. Finally I realized where they were wrong. I had copies of an average cost statement for the New England plants. Beside their figures, I put ours. In every instance where wages were concerned, we were higher. Other expenses were lower. They didn't even know before all the expenses which have to come out of the dollar they bring in. They were a little discouraged, but they were saved by their old standby statement, "But we are the most important."

"You have been telling me this for weeks," I said. "I have thought it over, and I have you at the bottom of the list. I am going to tell you how I got you there, and if you can move yourselves up even one step, I will give you everything you asked for.

"When you want to start a laundry like Monarch, the first thing you need is money. That is where the stockholders come in, so I put them first.

"After you have the money, you must have someone who knows what to do with it, or you won't have it long, so I put management second.

"Now we need a building and machinery, so they are third. Now if you brought a load in, it would still be there on Monday morning. Unfortunately, this isn't automatic equipment, so now we need the girls to operate this equipment. So, they are fourth.

"Now we have a service to sell; now we need you. That puts you in fifth place. There is nothing after that. We could even use cash-and-carry like they do in California. They have young girls, at very low wages, Only I like you." We parted good friends.

The next morning, the plant superintendent got worried because they were all laughing and joking around the plant. So he asked one of the men, "You are all so happy, I guess you must have gotten everything you asked for." The route salesman laughed and said, "We didn't get a thing. You think we're salesmen?"

With all the expense of new machinery and equipment, improvements and pay raises, our profit jumped 3½ percent in our fiscal year. Comparing some of our figures with "Average of Profitable Plants in New England" from the John Carruthers report, we find ourselves ahead of the average.

Total Plant Cost . . . 3½% below

Productive Labor . . . 3.62 below average

Profit Before Administrative Expense . . . 4.95% above average

I would like to mention the one thing which has been most outstanding in my mind, through the whole thing. More than any other remark I have heard from the "oldtimers" is, "We tried that once; it didn't work."

I attended a Management Conference by the American Institute of Laundering in Boston, and heard a speaker make another remark which impressed me much more: "Don't tell me it won't work. Tell me you are too lazy, or you don't know how, but don't tell me it won't work. I've seen it work or I wouldn't suggest it." Now everything that "doesn't work" is working at Monarch.

In thinking back over the things that we have done, we realize that the ideas may not have been original, but that this was all accomplished by putting all of our resources, where they were being wasted, to the best possible use.



Monarch's fleet won first-place honors last year for Private Carrier Trucks in National Safety Council contest. Route salesmen recorded better than 100,000 miles without accident

Welcome To Monarch!

Introductory Talk

"Welcome to Monarch. I am Mrs. Dobbs, manager, and this is Mrs. Armour, our service manager. She takes all of your calls and sees to it that they get attention from the proper person.

"Monarch Laundries, Inc., was 60 years old on May 1, 1958. The first washwheel turned over the day that Admiral Dewey went into Manila Harbor and cleaned up the Spanish fleet. Mr. Dobbs, who founded Monarch, is my husband, and this is a portrait of him. He was a very prominent citizen before his retirement, because of illness. He was president of the Chamber of Commerce, started the drive for the first street lights in New Haven, helped raise \$17,000,000 for Yale University, and many other things.

"Our employees are very interesting. For instance, we have three mother-and-daughter teams. One of these teams is my daughter and myself. Of one of the teams, the grandmother had the job before the mother. The mother can remember how her mother used to bring her here and sit her on a stool, so she wouldn't get in the way while she watched. One employee has been here 52 years in October. One-quarter of our employees have been here for 25 years or more. One-half have been here for over 10 years.

"This year we won two awards. The first was one of two awards given in New England for superior drycleaning. The other is the National Safety Award. Out of the last 12 years, we have had 11 accident-free years. Our insurance has a 50 percent premium discount because of our record."

Explanation of processes

Now the floor plan of the plant, in color, is shown. The colors are the same as the color of the net used in the department, for identification. I show some of the colored nets, and explain the system of identification. I take an imaginary flat bundle through the plant, so that they understand it, and will recognize the system when they see it later in process. I tell them



that of all the pieces which go through the plant (counting socks, handkerchiefs, etc.) we lose only one out of every 10,000. Even though this is true it even amazes me, so I know it impresses them.

Next I explain the washing process. I tell them that in five minutes longer than it takes for their washing cycle on their home washers, we give five fresh suds and six rinses, where they get one wash and two rinses. Naturally, because of this, we need practically no bleach. After all, we only need to bleach the white material, because of the tendency to darken after a while. They must bleach the soil, and soap which is left in, because they are not clean. I also point out that we use nylon nets. Everyone knows that you cannot use strong bleach on nylon, so we wouldn't dare to use a strong bleach. This has been most impressive.

I now explain how easy it could be for a marker to make a mistake when sorting shirts, by putting a shirt in the wrong color net, thereby giving them a starched shirt instead of a "no starch" shirt. I make them realize that it is a seldom made mistake, but it is a wonder to me that it doesn't happen more often. They usually agree.

I next explain the drycleaning system. I tell them first that there are three methods of drycleaning. Petroleum, one-bath synthetic, and two-bath synthetic. I explain all three, and then tell them that we have the two-bath synthetic, which we feel is the best.

Our quickest service is one day, and I explain why it cannot be done sooner, in our plant. We have only one machine, and therefore if one of them wanted a heavy overcoat and another wanted a white silk dress done, obviously they would have to go in together, if they both wanted

them back in an hour. I am sure they will agree with me that I don't mind my overcoat with their white dress, but I wouldn't want my white dress with their overcoat. (Of course, if I had fast service, I wouldn't mention this!)

Tour and Wind-up

Now I take them down, and we go through the plant. They enjoy it so much that my problem is getting them out. We return to the cafeteria, and coffee is served with cookies or doughnuts, depending on the time of day. Each one is given a memento, and a card to fill out. The cards are filled in with:

Name Address Did you enjoy the tour? What did you enjoy most?

We have a drawing for a door prize of the laundering of six white shirts and the cleaning of a man's suit. If it is a big tour (24) I give two letters. Now they are presented with a check, made out to the organization in the amount of 50 cents per visitor.

Follow-up

The next day we send each a letter thanking her for coming, and telling her that we hope every time she sends laundry or drycleaning out she will think of us.

Next we send the route salesman out to call on them. We have picked up many new customers from them, and I feel it is a wonderful and a very cheap way of advertising.

The cards are read to the employees in the cafeteria each time, during their coffee break, and they take a great pride in making a good impresJoining a cost bureau obliged Sanitary Laundry to take a closer look at its plant operations. The analysis resulted in a top-to-bottom reorganization that has proved highly successful



PLANNING for PRODUCTION

By ROBERT L. LARSEN Sanitary Laundry and Dry Cleaning Co., Inc., Santa Ana, California

DURING 1956 our productive labor percentage was 32.11 percent. It was decided in August of that year, after our firm joined a cost bureau conducted by Robert Place of Long Beach, that our labor cost was much too high. In the remaining months of 1956 we began studies which were completed in early 1957 of our entire operation, with the object in mind of reducing our productive labor cost substantially. A goal of 27 percent was set for 1957 and at the end of that year a goal of 25 percent for 1958 was decided upon.

The above percentage goals were not an end in themselves. Accompanying this goal was to be an improvement in over-all efficiency in terms of claims, quality of workmanship and regularity of service.

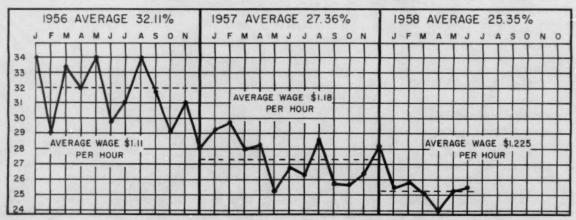
We feel at Sanitary that our record of the past 18 months, which can be substantiated in even greater detail than this entry by the records of our cost bureau, has been successful in each of these categories.

OBJECTIVES

- A. Determine productive expectancies based on time and motion studies of individual jobs.
- B. Determine efficiency of over-all plant operation by developing a workflow chart superimposed on a scale drawing of the plant work area.
- C. Develop a wage incentive plan which would be realistic, easily under-

- stood, competitive in pay with comparable industries, and which required a minimum of record keeping.
- D. Determine whether lot systems and production schedules were conducive to an even flow of work through the plant.
- E. Critical analysis of all equipment, shelving and trucks within the plant to determine actual use, with possible removal in mind.
- F. Analysis of general tone of plant to determine whether the atmosphere contributed to good worker morale; i.e., colors, music, restrooms, general cleanliness of work areas and plant as a whole.
- G. Careful study of cost bureau figures, in which our plant was compared

Productive Labor Percentages



Productive labor percentages at Sanitary Laundry have decreased steadily while the average hourly wage rates have risen 10.4 percent above 1956, thanks to the firm's production planning program

with others, to determine where our production was low. (Note: The cost bureau is a group of Southern California plants that compare costs monthly.)

H. General review of employee policies to determine management's concern about the individual worker. In other words, what was being done to make the employee feel important enough to the firm to want to do a better job.

PROCEDURES

A. Time and motion studies

Every job was analyzed from washroom through tie-out to determine: (1) the need of the job; (2) whether it could be combined with any other job; (3) the physical aspects of the job which required reaching, bending or stooping; (4) the best techniques in doing the job; (5) the fastest way to do the job properly, and (6) the possibility of eliminating an entire job through automation or greatly increasing worker output through automation.

Production expectancies were arrived at as a result of time and motion studies, comparisons with other plants in our cost bureau and manufacturers' estimates of expected output on a given unit. We have a sales and production staff of 100 persons.

B. Workflow

A diagram of the entire plant was made to scale with cardboard cutouts for all equipment on the floor.

Workflow was then superimposed on this diagram and distances were analyzed between operations to determine the shortest and most efficient distance between two points.

Results achieved with time and motion studies, workflow diagrams, and critical analysis of processes follow:

Marking room: Temporary identification was replaced by a coded black mark. Each route and store was given a code letter which preceded all its marks. In the beginning each outlet began with the mark I following its code letter. Thus the plant office which was given "P" as its code started with "P-1" and has continued.

Two records were set up by each outlet. One was numerical and the other alphabetical. In this way any customer's mark was readily found. This system meant that every ticket came in with a mark assigned by the salesman or the store clerk. This eliminated the time lost by the marker in finding the mark for the bundle. It has also eliminated double marks and the changing of marks after years of use.

The marking room was made more efficient by making a bin for each marker to presort all pieces. This bin is vertical and has eight pigeonholes ranging in size from 2 by 2 feet to 2 by 4 feet. The over-all dimensions of the bin are 6 feet high and 6 feet wide. The bin is open at both the front and back. There is a removable board at the back to prevent pieces from falling on the floor. By removing this board the washman can fill his trucks from the bin without bothering the markers.

The markers prepare all lots for the washroom by sorting fugitives and netting small items.

Classifications have been reduced to eight categories by the use of color setting products.

Colored nets are used to distinguish any items requiring special attention.

Washroom: Washroom formulas were analyzed to cut down washing time and dry supplies were introduced where possible. These included a blue-sour product, dry starch, a built soap and an alkali that could be added where needed. Commercial formulas were cut from 60 minutes down to 45 minutes; family from 75 minutes down to 55 minutes.

A method of controlling the sequence of commercials through the washroom was devised in which each account was given a number as it was brought in. This number was painted on a small piece of Masonite, and it stayed with the commercial all the way through the plant. In determining each day's production the laundry manager would let the washroom and the ironer crews know the number of the commercial that was to be out that night.

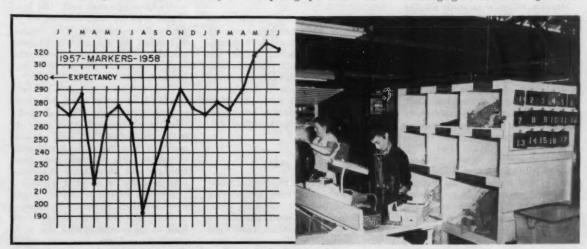
Shirt units: A 2-girl cabinet shirt unit was installed in 1956 to boost shirt production. In 1957 an automatic folding table and a cabinet sleeve press were installed in the second shirt unit

Assistance was obtained from the manufacturer on the layout of this equipment. As a result one unit is set up for two girls and the other for two or three girls as needed.

It was determined that it cost less in time for the shirt girls to shake out their own shirts, so shirts are brought directly to the unit from the wash-

As a result of these faster units and our incentive plan it has been found that even with inexperienced girls occasionally, reasonably good production has been maintained over a long period of time.

Just recently we instituted a policy of charging one-fourth of a girl's time



Starting point for revamping was in the marking department, identification system was changed, number of classifications reduced, special bin installed. Note chart for specific results of planning

Production Schedule

		Mo	nda	y		Tu	esda	у	V	ed	neso	day		Thu	ırsda	ay		Fri	iday	
Dept.	10	12	2:30	4:30	10	12	2:30	4:30	10	12	2:30	4:30	10	12	2:30	4:30	10	12	2:30	4:3
Marking Room	1	2	3	4	5	é	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Washroom	20	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
F.W.L.	17																			
Shirt Unit																				
Hank Press	19	20	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Wearing Apparel																				
Bath Towel																				
Distribution	18	19	20	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

Sanitary's schedule calls for a lot to move every two hours in every department. Schedules are posted weekly on a blackboard for all to see

to a unit when she is new to the unit, one-half of her time the second week, three-quarters the third week and the fourth week her entire time is charged. This formula is being used on all units now, not just shirts. It has worked very well.

Flatwork ironers: To increase output on our ironers a folder was installed on our 6-roll ironer. A 48-inch heated conditioner had been installed just prior to 1957.

The ironer crew now consists of five workers. These are two shakers, two feeders and one folder. Prior to installing the folder and the conditioner the crew was at a minimum of seven and sometimes eight girls were required to maintain balance. Production has increased from approximately 270-towel count P.O.H. to 360 P.O.H. and sometimes to 400 P.O.H.

Movable tables were made for the shake crew. These are filled and moved into place behind the ironers. The casters are large to permit easy movement. Three of these tables were made and they have proven very satisfactory. They are just long enough to hold a sheet and have a lapover at each end. They are moved into place by the feeders when they are ready for them. The shake-feed method is used on small pieces.

Wearing apparel: These units have not been altered physically. However, all racks and baskets in this department are on casters. Thus an operator can easily push her rack away and pull in an empty one when needed without having to take the time to unload her rack to make room for additional work.

Wearing apparel units consist of

two 51-inch presses and one yoke press. There is a set of ball forms between two of the units which is used by the two operators.

To assist the pressers we lay out all garments for them. Baskets are filled by the apparel sorter who breaks down all lots from the washroom. These are wheeled to the wearing apparel department where the girl in charge routes them to the individual operator.

Distributing rooms: The distributing rooms were made so 50 bundles could be processed on both sides of the room. Thus the distributor worked between shelves with a 3 foot 6 inch space for the actual work area. A small table, 2½ by 1½ feet, on casters was built and is now used by each distributor as a check-out table.

All work is brought to the distribu-

To dispose of the bundle after checking, a 30-foot conveyor was installed which serves all three distributing rooms, and which carries the bundle to an automatic tying machine. An electric eye on this conveyor stops the belt when a bundle breaks the electric beam. This entire layout of our distributing rooms was a direct result of studies of the workflow diagrams.

C. Wage incentive plan

Wages for all classifications of workers are checked with neighboring plants and plants in adjoining counties. Nonunion and union plants were studied to make certain base rates were competitive. Our entire wage incentive plan resulted from these studies.

Record keeping for the plan was kept simple to avoid hiring extra people for its operation, Records for each department are kept as follows:

Marking and distribution rooms: A piece count is made from the tickets once the lot is completed. This is used to determine production P.O.H. in both marking and distributing. Weekly records by lots are kept of this count and production figures are posted weekly in each department.

Shirt units: Counters were placed on each unit so a constant count could be kept and checked periodically during the day. The counter is cleared at the end of each day and totals are posted daily near each unit.

Wearing apparel units: Unit production is maintained by the individual operator and checked by the folder. These sheets are extended each night and daily production records are posted near each unit for all to

Flatucork ironers: Production is kept by the folders and entered on the "Daily Flatwork Ironer Record" which reduces all flat pieces to a towel base. Each night this form is extended and totaled and the daily production P.O.H. posted near the ironers.

The above statistics are also entered in a book each day or week as they are available and a weekly record is made from this daily record to determine the entire week's productive labor percentage and over-all efficiency.

D. Lot systems and production schedules

We have operated with 100 bundles to a lot for some time, based on our washroom capacity. This number of bundles fills the pockets we have available and with our commercial work hour production schedule can be maintained.

The production schedule is very simple. A lot moves every two hours in every department. The full week's schedule of lots and times they are to be out is posted in every department. By glancing at the blackboards containing this schedule the plant manager can immediately determine who is behind or ahead of schedule.

Both our lot and production schedules have been analyzed with changes in mind but we have always come back to our present system, due to its simplicity and the ease with which the schedule can be verified at any time in any department.

E. Equipment, shelving, and trucks analyzed to determine necessity

Heavy trucks were replaced with canvas baskets which are lighter and easier to move.

All table heights were checked and legs were cut off or built up to a standard height of not less than 32 inches or more than 34 inches.

Spring risers in canvas baskets were installed for the tumbler operator so her towels would rise as she emptied the basket.

Rubber mats were installed in every work area to remove fatigue caused by our concrete floor.

High shelves were lowered, spread out or removed whenever possible. This applied to distributors' racks primarily.

Large bundle trucks were replaced with small movable trucks on casters which are 2 by 3½ feet on the surface, 3½ feet high, with a second shelf under the top shelf. These are used by routemen to take bundles to the loading area as well as by girls in the plant to move bundles from one place to another. We have approximately eight of these small trucks and their versatility is remarkable, much more than we anticipated.

By maintaining production schedules we have eliminated many tables and movable racks and trucks which were necessary when work piled up in various departments. Now each department is frequently hungry for the work being processed in the preceding department on the work schedule.

We operate a package plant in Newport Beach, 15 miles from Santa Ana. This is a complete plant with open-end washers and presses for finishing drycleaning. We also have an office at the plant and three stores. A fourth store is being opened in a shopping center in October. These are "dry" stores with no equipment and are serviced twice daily. The girls mark in and check out their own orders. We have eight family routes, two commercial routes and one call office route to service the stores.

F. Tone of plant

In analyzing the general tone of the plant to determine whether the atmosphere was conducive to good morale and in turn to good production, several projects were planned and completed. These were as follows:

A mezzanine was built with tables, chairs, a sink and a coffee urn to provide a place for the employees to eat their lunches and possibly spend their rest periods. The mezzanine was built because of space limitations on the ground floor. Risers on the staircase were kept very low, however, so the climb is not an effort.

Free coffee was made available during the morning and for two hours in the afternoon. One girl was assigned to handle this job. It takes her about 45 minutes per day to prepare the coffee and clean up. On warm days lemonade is made available to the employees.

Equipment: It was decided to paint all machinery bright green, with aluminum trim where possible. Presstable surfaces were painted pearl gray. It was found work areas were kept more tidy if they were freshly painted.

Plant #1

\$6.12

0.17%

Plus or Minus

12.06

.33%

Janitor service: A schedule was set up for the janitors to clean all working areas daily and everything above the floor weekly, monthly or, in the case of rafters, quarterly. Need determined this schedule.

Music is now piped into the plant and the effect seems to have been beneficial both as to the production and congeniality. It seems to prevent emotional outbursts which can cause hurt feelings. Too much music can be bad, too. There are still some problems to be worked out, but the results thus far are satisfactory.

G. Cost bureau

I will inject a personal comment here to say that much of the data I have been able to compile and build from in this entry would not have been possible if it had not been for the very able way in which Robert Place, the manager of our cost bureau, has maintained production records on all member plants.

RESULTS

The specific results obtained by the work done in our plant are best exemplified by the production records of all departments and of the plant as a whole. The chart giving the productive labor percentages for our plant since 1956 tells its own story. We have dropped 6.76 percent in productive labor cost since 1956 and our wages have risen 10.4 percent.

It was on the basis of this record that we felt a report could be submitted by our company. Our goal for 1958 is to go under 25 percent and in 1959 to move solidly into the low 24's. Having reached a low of 23.84 percent in April we are inspired and confident.

Conclusion

It is not easy to be objective in the day-to-day relationships with your staff. Each day can bring its disappointments and disillusionments but by and large it is imperative that we, as employers, never allow the near look to obscure the far look.

We feel at Sanitary that we have matured through the years and have achieved a state of mind where self-interest and personal gain are no longer the sole motivating forces behind our ambition. We want to feel proud of our business as one which provides a good and pleasant livelihood for all those who participate in the services we render to our community.

			-	
Marking Room	300 Pcs. POH	276	-	24
Washroom	3.5% of Vol.	3.27%	+	.23%
Flatwork Ironer	330 Pcs. POH	356	+	26
Shirt Unit-1 Automatic	40 Shirts POH	34.4	-	5.6
Shirt Unit-2 Manual	25 Shirts POH	23.2	400	1.8
Wearing Apparel	140 Points POH	135	-	5
Miscellaneous		4.48 %	-	.92%
Distributing	235 Pcs. POH	184	-	51
	Other Comparisons:			
Volume (Last Year)	\$4,008.31	\$4,553.91	+ 5	545.60
Payroll 25%	\$1,138.48	\$1,124.20	+ 5	14.28
Productive Labor %		24.68%	+	.32%
Hours Worked		9291/2		
Hourly Rate		\$1.21		
No. of Bundles		1,413		
No. of Pieces		15,470		-
Bundle Averages		\$2.20		

Laundry Production Record for Week End. 5/31 1958

Expectancy

Record keeping is essential part of program. Production expectancies were determined by time and motion studies used with workflow diagrams. Laundry production staff of 35 was cut by 6

0.5%

Remarks: Summer schedule beginning. New girls being hired. Production will be affected in next two or three weeks. Good productive labor %. Weak units are shirts and distributing and marking. Strong parts are washroom and flat ironer. Claims were good for week.

Claims \$

Pcs. per Bundle



Congratulations are extended to first and second prize winners following receipt of plaques and checks

Big Day Arrives for Starchroom's Parade of Progress

CONTEST WINNERS

SEPTEMBER 13 was a memorable day—for four of the top six prize winners in Starchroom Laundry Journal's \$10,000 Parade of Progress Contest.

The day was the occasion of the contest award presentations at the Concord Hotel, Kiamesha Lake, New York.

It was the day when the winners finally received their plaques and collected their prize money.

It was the culmination of the contest which has had the entire laundry industry buzzing since it was first announced at the American Institute of Laundering convention in February.

The presentations were made in the presence of the officers and members of the New York State Launderers and Cleaners at their 49th Annual Convention. They made the presentation a part of their business program, reserving a portion of the second day's session for the formal ceremonies.

Just before noon on Saturday, Paul J. Rickett, Sr., president of the New York State Association, introduced Edward B. Wintersteen, executive manager, Business Papers Division, The Reuben H. Donnelley Corporation, who led off the Parade of Progress program.

Mr. Wintersteen outlined the background of the Parade of Progress Contest, its purpose and significance to the industry. At the conclusion of his talk Victor Dalgoutte, immediate past president of the American Institute of Laundering, gave his comments and observations on the contest and its handling from his first-hand knowledge of it as one of the five contest judges. (The other four judges were: Harold C. Buckelew, executive secretary, New Jersey Laundry & Cleaning Institute; A. L. Christensen, A. L. Christensen and Associates; Lawrence C. Kline, president, Linen Supply Association of America; Heywood M. Wiley, chairman, Educational Bureau, National Association of Institutional Laundry Managers.)

Editor Henry Mozdzer of Starch-ROOM LAUNDRY JOURNAL then made the actual presentation of awards. The first prize in the sales category, \$3,000, went to John Witherspoon, vice-president, Dupont Laundry, Washington, D. C. The second prize of \$1,500 in the same category went to John Philip Greene, general manager, The Troy Laundry & Dry Cleaning Co., Hagerstown, Maryland. William B. Katz, president, Washington Laundry, Evanston, Illinois, took first prize in the production category winning \$3,000. And Marjorie A. Dobbs, executive vice-president, Monarch Laundries, Inc., New Haven, Connecticut, received \$1,500 for the second best entry in the production category.

Immediately following these awards, all the winners received certificates for their share of 3,000 pounds of starch donated as a bonus to the top six winners by the Staley Manufacturing Company. Mr. William Schraeger made the presentations for his company.

The third prize winners in both the production and sales categories were unable to attend the New York State Convention but their \$500 awards were forwarded to them. The sales winner was Irving A. Spalding, Jr., treasurer, Boston Cleaners and Shirt Refinishers, Scranton, Pennsylvania. And production winner Robert L. Larsen, vice-president, Sanitary Laundry & Dry Cleaning Company, Inc., Santa Ana, California.

All six of the award winners' stories are published in this issue.

It was a memorable day and a fitting climax for the first contest of its kind to be sponsored by any magazine in the laundry industry.



Winning foursome, left to right: John Greene, William Katz, Marjorie Dobbs and John Witherspoon. Mr. Greene and Mrs. Dobbs split \$3,200 as second place winners in sales and production categories. Messrs. Katz and Witherspoon divided \$6,000 for first prize



Participating in the presentation ceremonies were Victor Dalgoutte (left), immediate past president of the AlL and one of the judges for the Contest, and William Schraeger, whose company (Staley Manufacturing) put up 3,000 pounds of starch as a bonus to the winners



President Paul J. Rickett, Sr., of the New York State Association congratulates Starchroom's editor on Parade of Progress Contest as the executive secretary of the New York Association, John H. Leahy, looks on benevolently



Third prize winner in sales category, Irving A. Spalding, Jr., who was unable to attend formal ceremonies, accepts check from Starchroom editor Henry Mozdzer



West Coast editor Lov Bellew, left, presents \$500 to Robert L. Larsen at his plant in Santa Ana, California. Mr. Larsen placed third for his entry in the production category

PRODUCTION AND MANAGEMENT

Washroom Information

Standard Capacities

Maximum Pounds Dry Per Inch and Per Foot of Length

Diameter	Per I	nch	Per Foot					
of Wheel	Metal	Wood	Metal	Wood				
30"	2.00 lb.	1.68 lb.	24.0 lb.	20.0 fb.				
36"	3.05	2.36	36.6	28.3				
42"	4.17	3.40	50.0	40.8				
44"	4.58	3.75	55.0	45.0				
54"	6.88	4.80	82.7	57.6				

Source: AlL

Knowing the maximum pounds of dry weight of soiled linens per foot or per inch of length, it is possible to obtain an approximate washer load limit. For instance, a metal wheel 36 inches in diameter will take 3.05 pounds per inch of length: $3.05 \times 54 = 164.7$, maximum load for a 36-by-54 washer.

Open-End Washers

Manufacturers' Rated Capacity in Dry Pounds of Clothes

Diam.						1	Lengt	h or	Depti	h of Y	Whos	A .			
Wheel	1	3"		14"	15"	16"	18"	20"	22"	24"	25"	26"	28"	32"	42"
20"	_	0	-					15							
22"	a										25				
27"					20										
	1	8	- 0			25									
30"	0		2	35	30		35						50	55	60
32"										50					
34"										60					
36"			,	*	25	35	50		60	60		75			
42"										100		100			

Washer Revolutions Per Minute

Dependent on Rib Height

		P	leight o	f Ribs			
2"	3"	4"	5"	6"	7"	8"	9"
37	34						
37	33	30	27				
37	33	30	27	24			
37	33	30	27	24	22		
36	32	29	26	24	22	20	18
	2" 37 37 37 37 37 36	37 33 37 33	2" 3" 4" 37 34 37 33 30 37 33 30 37 33 30	2" 3" 4" 5" 37 34 37 33 30 27 37 33 30 27 37 33 30 27 37 33 30 27	37 33 30 27 37 33 30 27 24 37 33 30 27 24	2" 3" 4" 5" 6" 7" 37 34	2" 3" 4" 5" 6" 7" 8" 37 34

Source: AIL

Washer speeds should be from 18 to 37 revolutions per minute dependent on the height of ribs, With an increase in rib height, fewer revolutions per minute are required to carry load to point of drop.

Pipe Sizes Required

Wai	har	Die	3 000	et	er																									Size Water	
24"	to	28	HE .					. *		*	*		. :						 . *						*				. 1	inch	
30"	to	40'	7											0				 											. 1	1/2 inches	
36"	(v	Y000	1)				,			0			0 1						 . 0	,		0				0			. 2	inches	
36"	x 3	16"	to	7	2	17	1	m	8	te	ıl	1		, ,		 			 0	0		0		0		0	0	 	. 2	to 2 1/2 in	che
40"	10	44		(w	10	00	9)								0		0 1	 	 		4				D				. 2	inches	
12"	x 3	6"	to	7	2	W	1	n	10	to	33)			0 1			 				0	0		0 1	0		 	. 2	to 2 1/2 in	che
12"	x 8	4"	or	8	on	g	BI		(m	el	la	11	1									0						. 2	1/2 inches	
48"	× 6	0"	10	ne	ta	1)										 		 										 	. 3	inches	

Source: AIL

Water connections should be capable of filling and emptying the wheel at maximum water heights in less than one minute. A 42-by-84-inch metal washer should fill to 10 inches—130 gallons—in about one minute.

Metal Washers

In Dry Pounds of Clothes

			Diameter Beauty						Length of Washer										
Diameter of Wheel	Pounds Per Cubic Foot	30"	36"	38"	42"	44"	48"	54"	64"	72"	84"	96"	108"	120"	126"				
30"		55					95												
36"	4.0		85	89	100	104	113	1.27	151	170	197	226							
38"	4.0		94	100	110	115	126	141	168	189	221	252							
42"	4.5		130	135	150	158	173	194	231	260	302	346	390	433	453				
44"	4.5		342	150	167	174	190	214	254	285	333	381	428	476	500				
48"	4.5		170	179	198	210	226	254	301	339	395	452	509	565	595				
54"	5.0		238	250	278	291	318	357	424	477	556	636	715	795	833				
60"	5.0		294	310	343	360	392	441	523	589	687	785	883	982	1032				

Source: ALL

Recommended loads for washwheels can be only approximate. The correct size of the load will vary with type of work being handled, the degrees of soil and individual plant conditions. Capacities given are meant to serve as a guide. The recommended loads are based on a sliding scale

of from 4 to 5 pounds per cubic foot. Maximum capacities given here are based on 5 pounds per cubic foot, although some manufacturers suggest that peak loads may run 5 pounds to 6 pounds per cubic foot, the latter, of course, for the largest size washers.

Weight of Family Laundry Items Per 100 Pieces

	Pounds		Pounds	Pounds
Aprons, Ladies'	50 20	Napkins, Cont'd 24 x 24"		Stockings, Silk (100 Pr.) 7.5 Golf (100 Pr.) 10
Bath Mats Blankets, Single Cotton Double Cotton Blankets, Single Wool Double Wool	600 400	27 x 27" Nightgowns Nightshirts, Light Cotton Nightshirts, Heavy Cotton Overalls	65 40 100	Table Cloths, Cotton, 54 x 54" 70.6 63 x 63"
Blouses, Boys'	35	Pajama Coats, Light Cotton Pajama Pants, Light Cotton	31	Table Covers, Cotton, 42 x 42" 55 48 x 48"
45 x 36"	35 42 4	Robes, Bath	50 150 114	72 x 72"
Collars	5 34	63 x 90" 63 x 99" 72 x 90"	133 146	18 x 40"
Doilles Dresses, Child's House Night	6 25 60 34.5	72 x 99"	164 183 171	22 x 40"
Face Cloths	3.3	81 x 99" 81 x 108"	205	29 x 55" 97 Towels
Handkerchiefs, Ladies'	1.7	90 x 108"		Face
Jumpers, 26 oz	163	Shirts, Work	64 75 6.5	Tray Cloths
Mats, Bath	125	Wool, Pair	13 347	Undershirts, Men's Light 18.5 Men's Heavy (No Siv.) 34.5 Underdrawers, Men's Light 15
Napkins, Cotton, 17 x 17" 18 x 18"	6.4	72 x 104"	400 385 478	Men's Heavy (Knee Length) 35 Ladies' Heavy 30
19 x 19"	8.5 9.4 11.4	90 x 90" 90 x 96"	433 462 556	Unionsuits, Light (No Siv.) 30 Heavy

Source: AlL

Weight of Linen Supply Items Per 100 Pieces

	ounds	LV - CUIDAN LA	Pounds	_	Pounds
Aprons	50	Mats, Bath, 20 1/2 x 29"	75	Spreads, 54 x 90"	
Aprons, Bib	48	26 x 50"	200	90 x 100"	394
Butcher	50	Mats, Steamship Bath	122	Steamship 1/2	179
	00-106	Steamship Table	175	Steamship 4	212
Steamship Cooks'	41	Mattress Covers, Steamship	185	Steamship Full	262
Waist	32.2	Mulliess Covers, Steamship		Tablecloths	60
Wash	32.2	Napkins	11.1	Steamship Small	
	94.6	Steamship	15	Steamship large	
Bags, Steamship Canvas	269	Table, 26 x 26"	16.6	Tidies	
	120	rubie, 20 x 20	10.0	Tops, Table, 45 x 45"	
Bungalows	75	Overall Coats	106	Towels	-
Bungalow Aprons	50	Pants	150	Barber	11.2
Blankets, Steamship	250			Bath, 24 x 44"	75
		Pants	100	Face, 21 x 44"	
aps	10	Steamship Waiters'	125	Giass, 17 x 33"	12.5
Cases, Pillow, 38 1/2 x 50"	43	Pullman Blankets	325	Gloss	
Pullman Pillow	23.3	Hand Towels	12.5	Hand	15.9
Cloths, Hair	42.2	Pillow Slips	22	Individual	
Steamship Hair	60	Sheets	112	Kitchen	
loths, Hand	25			Kitchen, 17 x 30"	
	156	Rags	6	Pullman	
Head Rest	16			Roller	
	106	Settee Covers, Steamship	125	Side, 17 x 34"	16.7
	225	Sheets, 63 x 90"	133	Silver, 17 x 30"	25
	125	90 x 108"	228	Smoll	
	125	Pullman	112		
	225	Steamship 1/2, 54 x 99"	122	Steamship Barber	16.9
Curtains, Steamship Shower	75	Steamship 34. 63 x 99"	138		
				Turkish	47
Poilies, Table, 11 x 11"	3.1	Steamship Full, 72 x 108"	195	Trousers, White	131
resses	50	Shirts	50	Uniforms	100
The state of the s	25	Slips, Pillow	30.8	Unionalls	187
rocks 2	200	Steamship Pillow	33	Vests	50

Source: AlL

Continued on page 84

Gallons of Water in Loaded Laundry Washers

(Wheel in motion; clothes saturated)

61							Inches	gauge						
Size (Inches)	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"	12"	13"	14"	1.5
30 x 18	2	4	6	8	10	12	15	18	21	24	27			
30 x 30	4	6	8	11	14	18	22	26	30	34	38			
32 x 30	7.5	9.5	11	13	15	17	20	22	24	26	29			
34 x 24	5.5	8	10.5	13	16	18	21	23.5	26.5	30	33	36	40	
36 x 36	- 11	14	17	20	23	26	30	33	36	40	44			
36 x 54	16	21	25	30	34	40	45	50	55	60	66			
36 x 64	19	24	30	35	40	46	53	58	64	70	77			
36 x 72	22	28	34	40	46	52	59	66	73	80	88			
36 x 84	25	32	39	46	53	61	70	77	8.5	93	102			
36 x 96	29	37	4.5	53	61	69	80	88	96	106	116			
12 x 36	15	20	23	27	31	34	37	39	43	46	50			
12 x 54	25	33	38	40	50	56	60	65	74	77	82			
12 x 64	27	35	41	47	54	60	65	70	76	82	88			
12 x 72	30	39	46	53	61	67	73	78	86	93	100			
12 x 84	35	46	54	62	71	79	8.5	91	100	108	116			
12 x 96	40	53	62	71	81	91	98	104	115	124	133			
14 x 36	17	22	25	30	34	37	41	43	47	51	55			
4 x 54	25	33	37	45	51	56	62	66	72	77	83			
4 x 72	33	43	51	58	67	73	80	86	94	102	110			
4 x 84	38	50	60	68	78	84	94	102	107	119	129			
4 x 96	45	59	67	80	91	99	110	115	125	136	146			
4 x 108	50	64	77	87	100	108	120	132	139	153	166			
4 x 120	57	73	8.5	97	111	120	134	145	154	170	184	196		
8 x 84	54	66	80	94	106	123	137	152	162	180	192	208	224	
8 x 126	80	100	120	140	160	183	203	224	247	268	290	313	337	
4 x 84	60	72	85	100	115	130	145	160	175	189	204	220	235	250
4 x 126	90	108	127	149	170	192	213	236	258	280	305	329	351	374
0 x 96	65	89	100	117	135	153	173	190	209	229	245	262	280	300
0 x 126	8.5	115	132	156	180	203	227	249	272	297	320	344	368	390

Source: AlL

The table above indicates gallons of water added after saturation of load to obtain various gauge readings. The table may be useful to find the volume of water required for any washing cycle. Dry clothes absorb between one-third and one-fourth of a gallon of water per pound. A 36-by-54 metal washer, 165-pound load, using a formula of 4 suds at 3 inches and 5 rinses at 9 inches will require a total of 384 gallons of water or roughly 2.3 gallons per pound:

Absorption .3 gal. per lb., .3 $ imes$ 165 $=$	50	gal.
Suds 4×21 , gal. at 3 inches =	84	gal.
Rinses 5×50 , gal. at 9 inches $=$	250	gal.
Total water required =	384	gal.
384 ÷ 165 = 2.32 gal, per pound		

Dry Clothes

- 1. Occupy approximately 0.243 cubic feet per pound,
- 2. Weigh approximately 4.11 pounds per cubic foot.
- 3. Displace about 0.0125 cubic feet of water per pound.
- 4. Weigh approximately 0.033 pounds per square foot.
- The correct load for a washer is approximately 5 pounds per cubic foot. A washer will therefore be correctly loaded when it is about 80 percent full of dry load (not packed down hard).
- 6. Absorb about 0.3 gallons of water per dry pound.

Wet Clothes

- 1. Occupy approximately 0.11 cubic feet per pound of dry
- 2. Weigh about 3.48 pounds per pound of dry clothes.
- 3. Weigh approximately 31.8 pounds per cubic foot.

- 4. Occupy approximately 0.0314 cubic feet per pound.
- Contain approximately 9.12 pounds of dry clothes per cubic foot.
- The correct load for a washer is approximately 5 pounds per cubic foot. A washer will therefore be correctly loaded when it is about 55 percent full of wet load (with the washer drained).

Mildew Control

Many linen supply plants and diaper laundries use a 20 percent water solution of mildew preventative to protect their materials.

Perhaps the simplest procedure followed is to prepare 30 gallons of 20 percent stock solution by placing 50 pounds of preventative in a suitable container, add 30 gallons of water and stir vigorously until all preventative is dissolved.

The stock solution should be added to the final rinse, before the souring rinse. This is important since the stock solution will precipitate from acid solution, hence giving little or no protection.

The proper procedure is outlined thus:

- 1. Follow the regular wash formula through the final clear rinse and drain.
- Add water till a 4-inch level inside the cylinder is reached.
- 3. Add 20 percent stock solution (the amount must be determined by experience) to the wheel while in motion; allow wheel to run at least 5 minutes before adding sour.
- 4. Add sour as usual, making certain the pH of the sour bath is 6 or below. (The sour fixes the stock solution in the linen, thus giving the best mildew protection.)

Source: Monsanto Chemical Co.

Absorbency of Selected Cotton Fabrics

	Fabric	Rate, seconds to submerge	Capacity, pounds water held per pound of fabric
1.	Terry cloth	9	4.4
2.	Flannel		4.1
3.	Gauze (marquisette	4	4.0
4.	Bird's-eye		3.7
5.	Toweling (huck)		3.0
6.	Twill		2.3
7.	Duck	16	. 2.2
8.	Drill	22	1.9
9.	Sheeting		1.8
	oncoming		

Source: The Diaper Service Institute of America

Note that rate and capacity figures vary through rather wide limits. While all sheeting will not have identical rates and capacities, the figures above serve as good approximations for what may be expected.

Absorption data are of value to diaper laundries using compounds which reduce the absorbency of textiles since they help control washroom application. Many plants use a quaternary ammonium compound as a softening agent.

Cotton White Work Special Reclamation Formula

(chlorine bleach)

0	peration	Degrees Fahrenheit	Water Inches	Time Minutes	Supplies per 100 Lb. Load
1.	Flush	Hot	12	3	
2.	Sour	160	6	15	1 lb. oxalic acid or l lb. ammonium acid fluoride
3.	Flush	160	12	3	
4.	Flush	160	12	3	
5.	Flush	160	12	3	
6.	Boil out	200	6	1 hr.	5 lb. sodium sesqui- silicate ½ pt. pine oil (op- tional) Heavy suds
7.	Flush	160	12	. 3	
8.	Flush	140	12	3	
9.	Flush	120	12	3	
10.	Bleach	100	6	1 hr.	2 qt. 14% bleach
11.	Rinse	140	12	3	
12.	Rinse	160	12	3	
13.	Rinse	160	12	3	
14.	Rinse	140	12	3	
15.	Rinse	120	12	3	
16.	Blue	100	12	3	

Load wheel to approximately 60% of rated capacity

Reclamation of Stained Linens

There are many methods to reclaim linen ranging from single-piece treatment to bulk formulas. The bulk treatment method is described here.

Most plants collect stained linens until they have a load and then rerun in a formula that is the same or a little stronger than their regular washing formula. This is known as a "washover formula." The good pieces are then picked out and the remainder are rerun again. The danger in this method lies with successive rewashes. For extra bleach is generally used at high temperatures, and linens suffer high strength loss

A linen reclamation formula differs from a washover formula in that it is designed to restore linens to usable condition in one treatment. Instead of being rewashed, unsatisfactory pieces are downgraded for use in other departments. For example, a stained towel might well serve as a wiping cloth while it still had some value. It takes confidence in a formula, of course, to know that if pieces are not cleaned up they should be put to another use or discarded.

A good reclamation formula should remove metallic stains, bleachable stains, oil and other types of stubborn stains

Some of the early reclamation formulas required linens to be "boiled out" in a special tank and then transferred to a washer for the final operations. This is a messy procedure and requires extra equipment and handling. All that is needed is a metal washer with a steam connection. A metal washer is preferred because a wooden cylinder can become channeled by prolonged use of live steam.

The reclamation formula given at left uses chlorine. It is used only for white cotton work, since colors will "print off" in strong, hot solutions of soap and alkali. This is true even of so-called fast-colored garments,

This formula is sometimes described as a "reverse sour" formula because the sour is run first. The sour is run first for good reasons: First, to remove rust before bleach has a chance to act on it and cause localized damage. Second, it helps to remove lime soap and uncover stains in order that the bleach may act on them. And third, it places the boil operation containing soap last where it helps to restore lubrication to the linens to make them iron more easily.

Note that the bleach operation differs from most in that it is run cold. It follows the boil-out to reduce the supply concentration to the point where efficient bleaching can be obtained and it also reduces the temperatures to 100° F.

The combination of a long bleaching cycle, low temperatures, and high concentration of bleach put together the necessary conditions for very effective bleaching with safety. The two quarts of 14 percent bleach suggested in the formula give tensile strength losses of about 7 percent. On badly stained work this is not considered excessive where a large percentage of the load can be returned to service.

This formula is very flexible. For example, if your stain work does not contain grease or heavy-set stains that require boiling, replace the boil with a light suds to remove any accumulations of catch dirt and then go into the bleach. It is also possible that the load has bleachable stains only and can go into the bleach operation at once, leaving both the rust and grease removing operations out of the formula.

Another variation of this formula is to allow the boil operation to set overnight and bleach the following day. This sometimes gives exceptionally good removal of deep-set stains,

Source: Philadelphia Quartz Co.

Reclaiming Nylon and Dacron

White nylon and Dacron garments tend to turn gray and build up soil as a result of continued home washing in hard water. These synthetic fabrics can be reclaimed and returned to use by applying the following procedures.

Low temperature (100° F) washing with low-titer built soaps or synthetic detergents generally is recommended for lightly soiled synthetic-fiber fabrics. However, a more thorough washing procedure is required to clean heavily soiled items.

The following washing formula will improve the appearance of many of the heavily soiled synthetics.

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Operation	Water Level	Temperature	Time	Supplies
Suds	Low	130-140° F	6-8 min.	Built soap
Suds	Low	140-150° F	6-8 min.	Built soop
Suds	Low	140-150° F	6-8 min.	Built soap
Rinse	High	140-150° F	3 min.	
Rinse	High	120°	3 min.	
Rinse	High	100°	3 min.	
Rinse	High	100°	3 min.	
Sour	Low	100°	3-5 min.	

Note: Temperatures below 160° F are recommended because higher temperatures will set wrinkles in these thermoplastic fibers.

Extractor pressure will also set wrinkles. Avoid this by drip-drying or by giving the items only a light extraction.

Finish nylon by steam pressing because the heat of hothead pressing will turn nylon yellow.

Source: AIL

Wash-and-Wear Care

The term "wash-and-wear" refers to cotton goods that can be washed and worn with little or no ironing. They are endowed with wrinkle-resistant characteristics through the use of resins or finishes which are applied at the textile mill. Unfortunately, some of these resins are chlorine-retentive. That is, they will pick up and hold chlorine in the bleach bath and no amount of rinsing will remove it. When exposed to the heat of finishing the chlorine is released causing the material to turn yellow and deteriorate.

Suggestions for processing:

- 1. Watch for items marked with wash-and-wear labels.
- 2. Wash with white-shirt formula.
- 3. Use an antichlor (1-1½ ounces per 100 pounds) in first and second rinse. Or in the souring operation.
- If the item turns yellow in pressing, wash immediately in sodium bisulfite and water.
- 5. Rewash in nonbleach formula.
- 6. Return item with tag calling attention to problems involved in processing wash-and-wear goods to educate customer.

Peroxide bleach may also be used although it costs more and requires the load to be thoroughly washed before bleaching, It is usually suggested that bleaching be carried out in the last suds when the pH is at least 10.6. Run at 150° to 160° for at least 10 minutes. If the recommended temperature is unattainable in the last suds, add in next to last suds.

Two quarts of ½ percent stock solution of peroxide per 100 pounds of dry load is regarded as maximum. In most cases, not more than 3 pints will be necessary per 100 pounds.

Radioactive Linen

Decontamination in the washwheels is primarily a matter of effectively loosening and removing the unwanted matter and then washing it away through a series of dilutions or rinse operations.

Knowing the beta-gamma activity in terms of "counts per minute" is of no value unless the calibration of the measuring instrument is known, since calibrations differ depending on the type of counter. All calibrations, however, are determined on the basis of milliroentgens-per-hour so that radiation expressed in this term is more universally practical. The safe tolerance dosage range is measurable as 6.25 milliroentgens-per-hour. Radioactive linen must be

brought down to this point or lower to be considered safe. Two washing formulas which are being used successfully are given below:

Radioactive Linen Medium Activity Group

Operation	Degrees Fahrenheit	Water Inches	Time Minutes	Supplies per 100 Lb. Load
Rinse	130	8-10	3	
Suds	160–170	4-5	8	1-2 lb. anhydrous sodium metasilicate 8 oz. synthetic or neutral soap 4 oz. hexametaphos- phate
Rinse	170	8-10	3	
Rinse	170	8-10	3	
Suds	160-170	4-5	8	Repeat first suds
Bleach (optional)	155	4-5	10	2 qts. 1% bleach
Rinse (optional)	160-170	8-10	3	
Rinse (optional)	160-170	8-10	3	
3 Rinses	160-170	8-10	3 each	
3 Rinses	Cold	8-10	3 each	Sour-blue-starch,

High Activity Group

Operation	Degrees Fahrenheit	Water Inches	Time Minutes	Supplies per 100 lb. load
Rinse	150	8-10	3	
Rinse	160	8-10	3	
Suds	170	4-5	8	1-2 lb. anhydrous sodium metasilicate 8 oz. synthetic or neutral soap 4 oz. hexametapho- phate
Rinse	170	8-10	3	
Acid bath	170	4-5	6	3% citric acid by weight/100 lb. 3 lb. per 12 gal. water
2 Hot rinses	170	8-10	3	
Suds	170	4-5	8	Repeat first suds operation
Bleach (optional)	155	4-5	10	2 qts. 1% bleach
Rinse (optional)	160-170	8-10	3	
Rinse (optional)	160-170	8-10	3	
Rinse	170	8-10	3	
Acid bath	170	4-5	6	1.5% citric acid by weight/100 lb. 1.5 lb. in 6 gal. water
2 Rinses	170	8-10	3 each	
3 Rinses	Cold	8-10	3 each	Sour-blue-starch,

Formulas should be repeated if necessary to bring activity measurement down to 6.25 milliroentgens per hour, or less.

Source: Philadelphia Quartz Co.

Bluing, Bleaching and Souring Data

Bluing Data

Most blues are supplied in two or three different shades—usually a red-blue shade and a green-blue shade and frequently also an in-between shade known as a blue shade—sometimes referred to as a blue-blue shade. These various shades are all blue, of course, but the proportions of colors in them are altered slightly.

In areas of low bicarbonate alkalinity in the water, most plants prefer to sour at a low water level and raise the level for the blue bath. When sour is applied before blue, shade selection is mostly a cut-and-try procedure.

All three shades can be appled in an acid bath, although there is often a greater tendency toward grabbing with a green-blue shade than with either of the other two. This doesn't present much of a problem because there is seldom occasion to use a green-blue shade in a "sour-first" formula. The red-blue shade is most often preferred for application after sour with the blue shade running a fairly close second.

When bicarbonate alkalinity in the water is high, it usually pays to reverse the conventional procedure and blue before souring, because it is possible to use substantially less sour to neutralize the alkalinity in 4 or 5 inches of water if the sour bath is the last operation than would be required to neutralize the alkalinity in 10 to 12 inches of water, which would have to be done if the blue were the last operation. If the bicarbonate alkalinity is very high (more than 250 p.p.m. of NaHCO₂) a green-blue shade is likely to be most satisfactory. When the bicarbonate alkalinity is moderate or low (less than 250 p.p.m. of NaHCO₂), the choice is usually between a green-blue shade and a blue shade. A red-blue shade is seldom adaptable to a "blue-first" formula.

Quite a number of laundrymen prefer to blue before souring—even though the water in their plants is low in bicarbonate alkalinity. The idea is not primarily to save sour, but to eliminate spotty, streaky, uneven bluing. There is no guarantee that bluing before souring will eliminate bluing difficulties, but there is some basis for hoping that it will in a great many cases.

One factor in bluing practice that unquestionably accounts for a great deal of blue-grabbing and similar difficulties is the tendency of some washmen to be in a little too great a hurry to get the blue into the wheel in conventional "sour-first" formulas,

When a load is soured at a water level of 4 or 5 inches with the intention of raising that level to 10 or 12 inches for blue, naturally the amount of sour added at the low water level is going to have to be enough to keep the load sour at the higher water level. So while the water level is

still at the low point, the load is consequently oversoured.

If blue is applied to such an oversoured load before the

high water level is reached, there is always a very strong tendency for the heavily soured fabrics to grab the blue. Unfortunately, just putting on one or two cold rinses cannot be depended upon to rinse out grabbed blue. Very often the dyeing job thus accomplished requires vigorous washing and sometimes heavy bleaching.

One sensible preventive measure is simply to switch the sour and blue operations so that blue cannot be applied on an oversoured load. When blue is applied to a load ahead of sour, it doesn't fully discharge upon the goods until sour is added. Without risking an uneven "take," this procedure permits a uniform distribution of blue throughout the washwheel solution and throughout the load—before the blue is fully developed. Thus, when the sour is finally applied, the blue on the load can develop evenly. As a rule, either a blue shade or a green-blue shade is more likely to be suc-

To assure uniform bluing, it is essential that the strength of the stock solution of blue be standardized. Concentrations of 2 ounces of concentrated blue in 2, 5, or 10 gallons of water are satisfactory—so long as the same concentration is always used.

cessful in such formulas than a red-blue shade.

Generally it seems to be preferable not to add any greater volume of 56 percent acetic acid than of the concentrated blue. If the stock solution is made up by using 2 ounces of concentrated blue in a 5-gallon crock, 2 ounces of 56 percent acetic acid ought to be plenty. Over cidified blue stock solutions have been known to promote a great deal of troublesome blue-grabbing and blue-dyein; Moreover, although most blues are free from pronounced sedimentation tendencies, any blue is more likely to settle out of solution in the crock if it is highly acidified.

Acetic acid will provide somewhat "longer mileage" on blue, but it is misleading to assume that a quart of blue can be made to last twice as long by adding 2 quarts of acetic acid along with it. All that that sort of thing can accomplish is to promote a muddy blue or blue-gray cast in the work.

Stock solution should always be carefully measured out in nonmetallic cups or other small measuring containers (glass, plastic or earthenware), diluted in a pail of cold water, and applied evenly across the wheel—preferably with the wheel turning toward the operator—after the water in the wheel has reached the customary level for bluing.

Source: Cowles Chemical Co.

Bleaching Data

Bleaches fall into two general groups: oxidizing and reducing.

An oxidizing agent adds oxygen to the discoloration to remove it. A reducing bleach takes away oxygen to accomplish the whitening process. Reducing bleaches also include stripping agents such as sodium hydrosulfite and sodium bisulfite. A stripping agent is used for complete color removal from dyed or tinted fabrics and not for general whitening practice.

The oxidizing agents include sodium hypochlorite, sodium perborate, hydrogen peroxide and potassium permanganate. Of these, only sodium hypochlorite and hydrogen peroxide are used extensively in laundries.

Hydrogen peroxide bleach is recommended for silks,

wools and rayons because of its relative mildness and safety in use. Because the bleaching action and stain-removal properties of hydrogen peroxide on cotton and linen fabrics fall short of the performance of sodium hypochlorite its usage is rather restricted. It is sold on the basis of oxygen content expressed as percentage or volume. The most common forms: 3 percent (10 volume), 30 percent (100 volume).

A 3 percent stock solution is normally made up. If the peroxide is purchased in the 30 percent form it is diluted with nine parts of water to form the stock solution. One pint of 3 percent solution per 100 pounds of clothes is the amount to use in a bath following the suds, before rinsing. A running time of 10 minutes is long enough at around 150 degrees.

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Because it decomposes readily, always keep peroxide out of the sunlight and keep foreign material out of the carboy in which it comes.

Sodium hypochlorite is by far the most popular form of bleach used in laundries. It may be made up in various ways but the solution poured in the washwheel is the combination of sodium, oxygen and chlorine corresponding to

the formula NaOCl.

Chloride of lime bleach is the old standard of the laundry industry. For years it was the only plant method in use. The method consists of allowing the proper amounts of chloride of lime to react with soda ash or modified soda to neutralize the lime hardness and produce a sodium hypochlorite bleach acceptable for use. A typical formula utilizes 10 pounds of chloride of lime with 10 pounds of soda ash, or 20 pounds modified soda, in 35 gallons of water to give a 1 percent available chlorine bleach. A thin slurry is made with the chloride of lime and part of the water. The alkali is then added and mixed until dissolved. After the balance of the water is added, the solution is allowed to stand until the sludge settles. The clear solution is then ready.

High-test bleaching powder (calcium hypochlorite) has to a large extent replaced the chloride-of-lime method because it is more convenient to use. It is available in bulk quantity or in unit cans designed for the preparation of 30-gallon batches of bleach. In preparing stock solutions the calcium hypochlorite is converted into sodium hypochlorite by a procedure similar to that described for chloride of lime bleach. One unit can, containing 3¾ pounds of bleach powder, mixed with 3 pounds of soda ash, or 6 pounds modified soda, in 30 gallons of water, will yield 1 percent available chlorine bleach. If the powder is purchased in bulk quan-

tity the same proportions are used.

In making up bleach by either the chloride-of-lime or high-test bleaching powder methods it is good practice to use a two-tank system. The bleach is made up in one tank, then drawn or siphoned off to the other tank, from which it is used. This system adds a margin of safety in that the sludge particles formed in the bleach preparation never reach the washwheel. Only the clear stock solution is used.

Because it is simple to use, carboy bleach is very popular among laundrymen. It is simply a high-strength sodium hypochlorite bleach of from 12 to 16 percent available chlorine delivered in 5-gallon glass carboys. A 1 percent stock solution is made up by diluting it with water. If the strength of the carboy bleach is 14 percent, a dilution of 1 gallon of bleach in 13 gallons of water will make 14 gallons of stock solution of 1 percent available chlorine strength.

A stock solution should always be used on the wheel. It is too difficult to measure accurately a small amount of concentrated solution and the smaller the load in the wheel

the more difficult this practice is.

How much bleach is used? The less the better, Sometimes this amount may have to be increased slightly but it is well to investigate the remainder of the washing formula first. Excessive use of bleach always means excessive tensile strength losses.

Family flatwork: Generally, 2 quarts of 1 percent bleach are used for each 100 pounds of clothes. Heavily soiled pieces such as dirty wet wash may require larger quantities.

Institutions: One quart or less of 1 percent bleach for each 100 pounds is usually sufficient because of very light soil and frequent washings. Bleach may be required only at intervals rather than with every laundering.

Linen supply: On light soil, 2 quarts of 1 percent bleach for each 100 pounds of work is generally used. Larger quantities may be required on more heavily stained work.

Bleach is used after the clothes have been washed clean—after the last suds and before rinsing. This point is chosen so that the bleach will work on the stains and the fabric instead of being wasted on soil. Some soap or soap regenerator added to the operation before the bleach will give better penetration and dispersal of the bleach through the load. After adding the bleach the suds level will drop, then return to a higher level. The bleach destroys some soap but it strips more soap from the fabrics than it destroys. This results in more suds.

The water level for the bleach bath should be the same or slightly higher than that of the preceding suds baths. Five inches is a good standard, Temperature of the water should be between 135 and 160 degrees. A good average is 150 degrees. Decomposition of bleach in the load is partially dependent on temperature, i.e., the higher the temperature the more rapid the action. Too low a temperature means that the bleach bath must be run too long to get proper results. Too high a temperature means that the bleach will decompose before properly penetrating the load.

If live steam must be used to heat the water above 135 degrees it should be done before the bleach is added, Adding steam while bleach is in the wheel will result in spotty, excessive bleaching action with attendant damage to the

clothes.

The bleach bath should run from 8 to 10 minutes. Tests have shown that 80 to 90 percent of the bleach is decomposed in the first 3 minutes but additional time is necessary to complete the job. Running a bleach bath longer than 10 minutes wastes time and money.

Let's review the above procedures. First, one must make sure of washing the work clean. Bleach is a valuable washing aid but it cannot compensate for a poor job of soil re-

moval. Then the proper bleach is chosen.

From the bleach chosen one makes up a 1 percent stock solution. If one is concerned with small quantities he may make this a 0.5 percent stock solution and double the amount used on the wheel. About 2 quarts of 1 percent stock solution are used per 100 pounds of load. If one can obtain satisfactory whiteness by using less, that is desirable. The bleach bath follows the suds. Soap or soap regenerator is added to the bleach bath to raise a suds. The bath is run in 5 inches of water at 150 degrees for 10 minutes. The work is then ready to be rinsed.

Use a rubber dipper to measure bleach stock solutions. If you measure your solution in pints get a pint-size dipper. Don't buy a quart dipper and guess when you have it half full each time. Wait until the full water level has been reached in the washer, then add the stock solution slowly along the width of the wheel as it turns down into the solution. Never add steam after adding bleach to the wheel.

Leaking bleach pails are an invitation to damage claims and should be discarded at once (a prime reason for not using the washroom floor as a classifying table). When dipping out bleach beware of dipping into the sludge. (When poured into the washwheel, sludge will cause pinholes in the clothes.) It is false economy to prepare a new batch of bleach stock solution by utilizing the sludge remaining from the previous batch.

Remember to use caution. The bleach in the stock solution is about 100 times as strong as when used in the wheel, so treat it with care. Even when properly used, bleach probably contributes more to tensile-strength loss than any

other washing supply.

Organic Bleaches

Organic bleaches are substances which have been introduced to the field quite recently. They have several advantages in comparison with hypochlorite bleaches, For one thing, they require less storage space since they are put into the wheel in dry form, They are more stable than hypochlorite bleaches, and they are not so harmful to personnel coming in contact with them. Furthermore, as a bleach, they tend to incur less strength loss than the hypochlorite bleaches.

How to use them: Organic bleach is used very successfully in conventional formulas by adding it dry to the washwheel in the bleach bath. It is very stable, stores well; that is, there is no problem of caking, and it has tremendous value in linen conservation because it is safe on fabric even if it is left on wet fabric overnight.

For maximum stain-removal efficiency in the conventional-type formula, the bleach bath solution should be around the pH of 10.4. The recommended use of organic bleach is 1 to 2 ounces per 100 pounds of work depending on the degree of soil. For light soil, usually 1 ounce is sufficient, even less in some instances; and for heavy soil, such as family work, 2 ounces are required.

Organic bleach is also recommended for the One-Shot Formula where all the supplies are added to the first operation. For this type of formula, the pH requirements are higher. For heavily soiled work, the pH should be around 12.0, using approximately 2 ounces of organic bleach per 100 pounds of work.

For stained reject linen supply work, organic bleach is very effective in an overnight soak in the washwheel, using 12 inches of water at a temperature of 140° to 150° F and 4 to 6 ounces of organic bleach per 100 pounds of work

depending on the degree of stain and mildew.

Organic bleach is also very effective in the washing formula on heavily soiled and mildewed linen supply work. Because of the degree of heavy soil in some linen supply classifications the manufacturers prefer to make specific recommendations to each individual plant rather than give general use recommendations,

Source: Wyandotte Chemicals Corporation

Souring Data

Properties of Sours

Name	Commercial Form	Reducing Power	Volatile at Ironing Tempera- ture	Amount Necessary To Replace 1 Oz. of Ammonium Silicofluoride
				(Avoirdupois)
Acetic acid	56% solution	Very mild	Yes	2.39 oz.
Acetic acid	80 % solution	Very mild	Yes	1.68 oz.
Ammonium acid				
fluoride	White powder	Small	Yes	1.27 oz.
Ammonium silico-				
fluoride	White powder	None	No	1.00 oz.
Formic acid	90% solution	Sirong	Yes	1.14 oz.
Hydrofluoric				
acid	30% solution	None	Yes	1.49 oz.
Hydrofluoric				
ocid	48% solution	None	Yes	0.94 oz.
Oxalic acid	Crystals	Strong	No	1.41 oz.
Sodium acid				
fluoride	White powder	Small	No	1.38 oz.
Sodium silico-				
fluoride	White powder	None	No	1.06 oz
Zinc silico-				
fluoride	White powder	Slight	No	1.73 oz.

Source: Philadelphia Quartz Co.

The primary purpose of a souring operation is to neutralize the bicarbonate alkalinity in the water and the unrinsed alkalinity still remaining in the clothes. This neutralization is necessary because of the tendency of white cellulose materials such as cotton and linen to assume a yellow or brown color in the presence of heat when alkali is present. Other properties of a good sour include removal of iron stains and destruction of bacteria.

Zinc silicofluoride is used widely by diaper laundries since it inhibits diaper rash. Some sours now also have sodium bisulfite incorporated in them to counteract any

chlorine carry-over.

How much sour is used? Enough is used to bring the pH of the load to generally accepted standards. For starched work such as shirts and uniforms, attain a pH of 4.5 to 5.0. For finished family work, 5.0 to 5.5, and for wetwash, 6.0 to 6.5. No figures on amounts of sour needed to reach these values can be given since they will vary from plant to plant. Experimentation on one load will give an approximation

of the correct amount to use. Checking further loads and making any necessary small corrections will establish a standard.

Once the correct amount of any given sour is determined, substitutions of other sours may be made on a mathematical basis. The table below gives these ratios for various chemical formulas.

Use of this table is simple. Suppose that one has been using sodium silicofluoride and desires to change to sodium acid fluoride for greater rust removal. The table reveals that the values are in proportion of 2.3 to 1.7. Therefore, for each 2.3 ounces of sodium silicofluoride now in use there should be used 1.7 ounces of sodium acid fluoride.

Name	Chemical Formula	Relative Neutralizing Value Taking 56 % Acetic Acid As 1.0
Fluosilicic Acid	H ₂ SiF ₆	4.3
Sodium Silicofluoride	Na ₂ SiF ₄	2.3
Ammonium Silicofluoride	(NHa) sife	2.4
Ammonium Acid Fluoride	NH,HF:	1.9
30% Fluosilicic Acid	H ₂ SiF ₆	1.4
100% Acetic Acid	CH ₂ COOH	1.8
56% Acetic Acid	CH ₂ COOH	1.0
Sodium Acid Fluoride	NaHF ₃	1.7
Oxalic	H ₄ C ₂ O ₄ (2H ₂ O)	1.7
100% Hydrofluoric Acid	H ₂ F ₂	5.4
30% Hydrofluoric Acid	H ₂ F ₂	1.6

The sours listed above are all good sours, as are many commercial mixtures. However, not all acids are safe souring agents. Such chemicals as hydrochloric acid, sulphuric acid, and sodium acid sulphate will cause damage to fabrics, even when carefully rinsed out. There are enough good, safe sours to use without incurring the risk of damaged goods and resultant claims. Oxalic acid, widely used for removal of rust stains, must be thoroughly rinsed from the fabrics to avoid chemical damage.

Ammonium silicofluoride is slightly more expensive per pound than sodium silicofluoride but it has a higher neutralizing value and is much more satisfactory.

Rules for souring:

1. Never sour until all soap has been rinsed out.

2. Use low water level of 4 to 5 inches to assure high concentration without waste.

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3. Use the amount necessary to neutralize the load,

	pH
Wet wash	. 5.4-6.4
Family work	. 4.6-5.4
Heavily starched work	. 4.0-4.6
4 Courset a tournesstand from 1000 F 4- 10	1 ET OAG

4. Sour at a temperature from 120° F to 130° F for 5 minutes.

5. Do not rinse after normal souring. Clothes should be rinsed after treatment in iron-removal baths, particularly if oxalic acid is used. Failure to remove this material may give as much as 60 percent reduction in tensile strength in a single ironing.

Rust removal is an important function of the sour bath. A sour is chosen that, in addition to neutralizing value, will also remove rust stains. A sour such as oxalic acid is used when high rust concentrations are encountered. Thorough rinsing after the operation is required to insure removal of the oxalic acid which will cause chemical damage if an excess is left in the clothes. A common mixture, tailor-made to avoid such complications, is one of oxalic and acetic acid. The oxalic acid, being more active, is used up first, leaving

as excess only acetic acid, which will not cause damage. For minor rust-stain removal a sour is chosen containing an acid fluoride salt.

The point in washing operations at which a sour bath is added depends on the water supply. With water of low bicarbonate alkalinity, sour after rinsing and then blue the load. With water of high bicarbonate alkalinity, blue first and then sour. The reason for this is that the alkalinity of the water raises the pH to undesirable levels, necessitating the use of excessive sour to counteract this reaction.

Fluorescent Sours

Fluorescent-type dye stuffs that give off a bluish cast are incorporated in many sours used today. Many plantowners find that the use of these acid-type whiteners in sours gives them more uniform whiteness. Furthermore, they have no problem controlling the amount of bluing used since the bluing operation is eliminated.

There are two types of fluorescent sours; one contains a slight amount of aniline blue and the other contains no blue at all

Source: Keever Starch Company

Starching Data

Preparation of Starch

The use of all-cooked starch for sizing shirts in the wheel is recommended because cooked starch gives work a better feel and finish, more uniform results and less is required than if starch is used raw.

Prepare the thin-boiling, noncongealing starch on the basis of 8 oz. to 10 oz. per finished gallon—the thick-boiling starch on basis of 4 oz. to 6 oz. per finished gallon.

The following table shows amount of starch to use in preparing given quantities of cooked starch:

To Make		z. per al.		al.		al.		z. per al.
Gal.	Lb.	Oz.	lh.	Oz.	lb.	Oz.	lb.	Oz.
5	1	4	1	14	2	8	3	2
10	2	8	3	12	3	0	6	4
1.5	3	12	- 5	10	7	8	9	6
20	5	0	7	8	10	0	12	8
25	6	4	9	6	12	8	1.5	10
30	7	8	11	4	1.5	0	18	12
35	8	12	13	2	17	8	21	14
40	10	0	15	0	20	0	25	0
45	11	4	16	14	22	8	28	2
50	12	8	18	12	25	0	31	4

When preparing starch, always:

- 1. Weigh starch and measure water accurately. Do not
- Boil starch fairly hard for at least 20 minutes, counting time from moment boiling actually starts.
- Check valves on starch cooker to make sure they do not leak and thus cause the starch solution to thin out.
- Keep starch cooker and all containers clean to prevent souring,
- Do not "build up" starch. Make fresh starch each time. Adding old starch to new is false economy.

Methods of Sizing Shirts in the Wheel

There are two methods by which shirts may be completely sized in the wheel:

 Size in the wheel in which shirts have been washed, during the last rinse or bluing process. The water level is dropped to 3 inches in the inside cylinder and the required amount of starch added to the wheel while in motion.

Size in the wheel in which shirts have been washed but after washing process has been completed, Water is drained from wheel, the wheel is stopped and opened and the required amount of starch is poured directly over the shirts.

Method No. I is standard practice in the great majority of laundries sizing shirts completely in the wheel. It is recommended because of the time and labor it saves, and the higher degree of uniformity of work it assures.

Procedure for Sizing Shirts Complete in the Wheel

- 1. Have 3 inches of water in inside cylinder of washwheel.
- Use one gallon full-strength starch to each 25 to 35 shirts—on an average 3 gallons (one 12-qt, pail) to each 100 shirts.
- Add required amount of starch to the wheel during last rinse or bluing process, while wheel is in motion and turning toward you. Run load for a full 10 minutes.
- Increase or decrease the amount of starch used, if necessary, to meet local conditions or special requirements as to weight and body of shirt work.
- When shirts are washed in nets figure each net as two shirts and make proper allowance for amount of starch to be used.
- After starching, extract shirts until just a trace of water comes from the extractor. Time required will depend on speed of extractor and weight of load. Iron directly on press machine.
- 7. Colored shirts require 10 to 15 percent less starch than white shirts, so if washed separately, use proportionately less starch than recommended above. It is recommended, therefore, that white and colored shirts be sized separately whenever possible.

How To Use Raw Starch in the Wheel

Lack of a starch cooker in some plants makes the use of raw starch an attractive method. The required amount of raw starch should be suspended in a bucket of water and this mixture distributed evenly over the inside cylinder while the wheel is in motion. The load is run for 10 minutes.

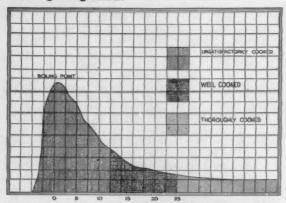
Shirts: Add 1½ to 1¾ pounds of raw starch per 100-pound load.

Uniforms, coats, aprons and apparel: Raw starch is added in the proportion of 2 to 3 pounds per 100 pounds of clothes.

Combination method

Combinations of both cooked and raw starch are quite often used on classifications such as detachable collars, caps and stiff-bosom shirts. Raw starch should not exceed 25 percent of the weight of the cooked starch.

Noncongealing Starch



Horizontal axis shows minutes, vertical axis shows energy expended

The graph explains why 20 or more minutes of cooking are recommended. Any shorter cooking period results in incomplete disintegration of the granules, leaving partly cooked particles that are very sticky and viscous and cause difficulty in the laundry operation,

Shirt Problems and Probable Causes

"Pinholes" in fabrics: Introduction of live steam into water in washwheel during the bleaching operation. Bleaching should be carried out at temperatures between 140° and 160° F. Increasing temperatures beyond this range increases tensile-strength loss.

Dirty buttons: Sudden changes in temperature of rinse baths. The first rinse should be the same as or slightly higher than that of the last suds. If lower temperatures are used, there may be deposition of dirt on buttons, which cool more rapidly than the rest of the load. Temperature of succeeding rinses may be reduced but sudden changes should be avoided.

Uneven bluing: May result from overloading nets and/or washer; uneven souring; insufficient running time; using too great a concentration of blue and/or adding it to the load incorrectly.

Setting of blood stains: Too high a temperature on the break. When dealing with blood-stained garments keep the break temperature below 100° F.

Soap specks and "tattletale gray": Redeposition of soil on the load resulting from use of hard water; washing excessively soiled clothes which cause soap to break down; or insufficient rinsing.

Starch turns brown: The color change occurs during the finishing operation and is often caused by excessive alkalinity of the water used in cooking starch. The higher the alkalinity of the solution, the greater the density of the starch and the more apt it is to congeal. On being heated, congealed starch will turn yellow or brown. A small amount of a safe sour may be added to each batch to remedy this condition.

Sticking starch: When starch accumulations form on press heads and cover cloths, improper cooking is nearly always the fault. Be sure to boil starch for at least 20 minutes. Always begin the process using warm, not hot, water. Sticking of starchwork may also be caused by insufficient rinsing and/or excessive souring.

Starch blisters: When starch is overcooked it becomes thin and weak; if used in this condition it tends to blister and buckle. Follow the manufacturer's cooking directions carefully. Blisters are also apt to appear on collars if the collar press operator fails to allow sufficient time for drying or if the bosom press operator accidentally sprays the finished part of the shirt while spraying the bosom.

Extractor, Tumbler, Ironer Data

Extraction Data

An efficient extractor should remove roughly 50 percent of the water in the load. Underextraction produces wet material, resulting in delays and added costs in the finishing department. When the amount of moisture retained in the load reaches 50 percent of the load's dry weight, it is no longer economically feasible to continue extraction—that is, a dry load of 70 pounds should weigh approximately 105 pounds on leaving the extractor; 70 pounds dry weight plus 35 pounds retained moisture = 105 pounds. The table below assumes 2.5 pounds of water absorbed by each dry pound of clothes—an average figure. Extraction is continued until moisture retained is equal to 50 percent of dry weight; in this case 80 percent of the

	Basket Volumes		Weight of loads,			
Туре	Diameter	Cubic Feet	Dry Weight Load	Weight Before Extraction	Weight After Extraction	
- 1	20"	1.73	25	87.5	37.5	
	24"	2.91	40	140	60	
Solid-Curb }	26"	3.31	50	175	75	
	28"	4.29	60	210	90	
	30"	5.60	70	245	105	
1	40"	12.3	145	507.5	217.5	
_	48"	19.1	230	805	345	
Open-Top	60"	32.4	380	1330	570	
1	72"	46.8	550	1925	825	

Extractors

water is removed. Weighing a load of known dry weight before and after extraction, a laundry operator can readily check the efficiency of his extractors,

Туре	Diameter	*r.p.m.	Load Pounds
	[15"	1600-1750	10
	17"	1500-1700	12-20
Solid-Curb	20"	1400-1500	25-30
Solid-Cold	26"	1200-1400	40-55
	28"	1100-1200	60-70
	30"	1000-1100	70-80
	f 40"	850925	150-170
	48"	750-800	200-250
Open-Top	30"	750-800	300-350
	54"	700-750	350-400
	60"	600-700	400-450

Approximate—r.p.m. of similar size extractors of different manufacturers vary.

Extractor revolutions per minute and pounds of centrifugal force decrease with increasing capacities. Heavier loads require longer extraction periods, although periods required will vary with atmospheric conditions and class of work handled. Wetwash should run about 4 to 6 minutes in a 17-inch extractor; 10 to 12 minutes in a 30-inch extractor and 15 minutes in a 48-inch extractor.

Releasing Suction

Safe pulling clothes from centrifugal extractors can be accomplished with ease if a strip of cover duck 3 or 4 inches wide is placed across the entire bottom and up the sides of the basket before the load is put in. Give one end of this strip a pull and the suction created by the centrifugal action will be released with no strain on the garments or nets. This suction is always heavy and garments should always be released from it, then lifted out.

Hydraulic Extractors

There are on the market today extractors that eliminate excess moisture by squeezing rather than by spinning, Perhaps the best known operates by the application of water pressure inside a metal tub, against a rubber diaphragm, containing the material to be extracted. The extracted water is released through a perforated cover and flows out a drain which is separate and apart from the water contained in the

tank. The pressure water is brought from a special tank on the bottom of the unit and is returned to the same tank after extraction is completed. The operation is noiseless and vibration-free. The unit will handle loads up to 200 pounds dry weight in a normal 10-minute run.

Another type of hydraulic extractor operates on a different principle using a ram-type device to squeeze the water from the load.

Extracting Synthetic Fabrics

Synthetic fabrics hold very little moisture and may be damaged if subjected to excessive mechanical action. Over-extraction can produce wrinkles which are impossible to remove and, in some instances, the centrifugal force generated during the normal running cycle is great enough to break the fibers.

Running the extractor up to speed and cutting it off is considered good practice in handling synthetics.

Kilowatt Hours

To Run Extractors a Given Time in Minutes

-			Extr	actor Dian	neters		
Time In Minutes	20"	24"	26"	28"	30"	40"	48"
1	.042	.050	.071	.083	.095		
2	.048	.069	.082	.095	.108		
3	.055	.079	.092	.107	.122		
4	.062	.088	.103	.119	.135	.46	.65
5	.069	.097	.114	.131	.149	.50	.70
6	.075	.106	.125	.143	.162	.54	.75
7	.082	.116	.135	.155	.175	.58	.80
8	.089	.125	.146	.167	.189	.62	.85
9	.095	.134	.157	.179	.202	.66	.90
10	.102	.144	.167	.192	.216	.70	.95
11	.109	.153	.178	.204	.229	.74	1.00
12	.115	.162	.189	.216	.242	.78	1.05
13	.122	.171	.199	.228	.256	.82	1.10
14	.129	.181	.210	.240	.269	.86	1.15
15	.135	.190	.221	.252	.283	.90	1.20
16	.142	.199	.232	.264	.296	.94	1.25
17	.149	.209	.242	.276	.309	.98	1.30
18	.155	.218	.253	.289	.323	1.02	1.35
19	.162	.227	.264	.300	.336	1.06	1.40
20	.169	.237	.275	.312	.350	1.10	1.45

Source: AIL

The table records kilowatt hours required for extractors of various sizes at increasing running times. A 48-inch machine draws 1.45 kw. hours for a 20-minute extraction period; at 2 cents a kw. hour the power cost is 2.9 cents for the load.

Tumbling Data

Running times will vary from 5 to 30 minutes depending on the size of the tumbler and type of fabric processed. Silks and whites should be run at 110 to 120° F; loose-weave woolens at 120 to 140° F, and tight-weave woolens at 140 to 160° F, to prevent shrinkage.

Some plants make it a practice to precondition synthetic materials 3 to 5 minutes in a heated tumbler with a steam jet until the fabrics are dry except for the moisture from the injected steam in the tumbler. Preconditioning helps remove extraction wrinkles which appear even when extraction is kept to a minimum and excess moisture which, in combination with heat and pressure of finishing, causes stiffness, shine and fusing.

Do not tumble glass fabrics, Dynel, Orlon fleece, Saran or Velon.

Tumbler Drying Time

Drying time varies in proportion to the size of the load and the degree of extraction. These are the two major variables. Actual drying time will depend also on the materials processed, the amount of gas or steam pressure used, weather conditions, and other variables.

Larger loads require longer tumbling and nothing is gained by overloading. The table following indicates the drying time per pound for a 36-by-30-inch tumbler drops considerably up to loads weighing 32 pounds (manufacturer's rated capacity) after which the rate of drying remains constant.

Short cuts in the extraction cycle mean additional drying costs. For example, bath towels extracted to 70 percent of

^{**} Manufacturer's rated capacity.

their dry weight need 30 percent more drying time than Tumblers towels extracted to 50 percent.

Tumbling need not be continued until the material is thoroughly dried; in fact, towels tumbled 97 percent dry are of good quality and are not nearly so hot to handle as when thoroughly dried.

Load Size vs. Drying Time Per Pound					
Pounds	Drying Time Minutes	Minutes Per Pound			
4	5.3	1.3			
8	7.2	.9			
12	8.9	.74			
16	10.7	.67			
20	12.7	.635			
24	14.9	.621			
28	17.1	.610			
32	19.4	.606			
36	21.8	.605			
40	24.2	.605			
44	26.7	.605			

Another reason why absolute dryness is not essential is that a given fabric under average room conditions absorbs approximately 6 to 8 percent moisture, depending on the humidity of the air.

The exhaust-air temperature of a tumbler has a direct relationship to the degree of dryness of the load. It is important, therefore, that timing devices operated by stack temperatures be adjusted to the size of the load, particularly where individual bundles of varying sizes are tumbled dry.

Conditioning Tumblers

Size	*Dry load	*loods
(Inches)	Pounds	Per Hour
**34 x 72	800 lb./hour	
36 x 30	15 lb./load	
48	30 lb./load	30
**48 x 84	1,500 lb./hour	
°°60 x 96	3,500 lb./hour	
72	200 lb./load	20

Manufacturer's rated capacity.

Continuous shakeout and conditioning tumblers.

Loads, Steam and Electrical Consumption

			Per Loc	od		Per Hour (Two Loads)		
Туре	Size (Inches)	Dry Load, Pounds	kw. Hours	Pounds Steam	Dry load, Pounds	kw. Hours	Pound: Steam	
Open-End Open-End	26 x 18 36 x 24	20 26	.11	22 29	40 52	.23	44 58	
Open-End Utility	36 x 30 36 x 36	32 40	.35	30	84	.70 2.30	160	
Utility Utility Utility	36 x 48 42 x 42 42 x 60	55 70 100	1.70 .93 1.35	110 82 117	140	3.40 1.86 2.70	220 164 234	
Utility	42 x 90 42 x 120	150	2.00	175	300	4.00	350 466	

Source: AlL

Capacities, power consumption and steam requirements for tumblers of various sizes are important in planning future expansions or computing costs. A 42-by-90-inch tumbler requires 175 pounds of steam per load and at 2 cents a kw. hour will produce 150 pounds of clothes at a power cost

Twin Cylinder and Noncylinder Tumblers

Туре	*Dry load Pounds	Size	*Drying Time Lb. Minute
Twin Noncylinder Noncylinder	15/cyl. 10/cyl. 20/cyl.	26 x 24"	*5-25 10 10

Manufacturer's rated capacity.

Unloading Tumblers

(Gas, Gas-Oil, Steam)

Capacity Dry Weight	Full-dry Loads Per Hour	Conditioned Loads Per Hous	Unloading Time	Boiler Requirements
200 lbs.	4	12	12 sec.	17% bhp.

Ironer Data

Approximate Flatwork Ironer Production Sheets Per Minute

Feeding selvage first, allowing 1 foot between sheets, 3/2 and full apron speeds, steam at 100 lb. pressure, 100 percent quality

		54"	Sheets	63"	Sheets	72"	Sheets	81"	Sheets	90" \$	Sheets
Туре		36	Full	3/3	Full	3/3	Full	36	Full	3/5	Full
Handy			2.00		1.76		1.57		1,42		1.29
	2-roll	2.00	4.00	1.76	3.52	1.57	3.14	1.42	2.84	1.20	2.59
Chest	4-roll	4.84	7.28	4.28	6.40	3.81	5.72	3.45	5.17	3.14	4.71
Chest	6-roll	7.28	10.90	6.40	9.80	5.72	8.57	5.17	7.75	4.71	7.07
THE PART OF A	8-roll	9.80	14.55	8.64	12.80	7.70	11.42	6.97	10.32	6.36	9.40
Double Cylinder	24"	7.28	10.90	6.40	9.60	5.72	8.57	5.17	7.75	4.71	7.07
Dooble Cymidei	30"	7.28	10.90	6.40	9.60	5.72	3.57	5.17	7.75	4.71	7.07
Single Cylinder	48"	7.28	10.90	6.40	9.60	5.72	8.57	5.17	7.75	4.71	7.07
omgre Cymnaer	16" x 100"		2.73		2.40		2.14		1.93		1.77

Continued on page 94

Approximate Flatwork Ironer Production Pounds Per Hour

Based on not over 50% retention; 100 lb. steam; good trap system

Туре		Float Roll W.A. and Flat	Family Flat Net Identification	Family Flat Full Indentification	Commercial Flat Sheets, Cases, Etc
Chest	8-roll	300-330 lb.	400–485 lb.	465–530 lb.	530-665 lb.
	6-roll	225-250	300–350	350–400	400-500
	4-roll	150-165	200–235	235–270	270-335
	2-roll	75-85	105–120	120–140	140-175
Double Cylinder	30"	175-190	230-270	270-310	310-385
	24"	115-130	155-180	180-205	205-255
Single Cylinder	48"	160–175	210-245	245-280	280-350
	100" x 16"	37– 41	50- 58	58- 66	66- 82

Source: AIL

Small Flatwork Ironers (Gas, Steam or Electric Heated)

Heat sources: 1 = gas; 2 = steam; 3 = electric

Size (inches) and heat source	Speed range (feet per minute)	Size (inches) and heat source	Speed range (feet per minute)
48—1	14	80—2. 3	6-18
50-1, 2	12	85-1, 2, 3	8-24
54-3	11	100-1, 2, 3	6-48
56-1, 2	14	104—1	5-30
60-1, 2, 3	6-24	110-2, 3, 1	8-48
66-2	11	120—2	7-52
75-1, 2	12	132—2	15-45

Production capacity of steam-heated ironers is about 80 percent of gas-heated machines; electric ironer production is about 70 percent of gas-heated ironers

Production Standards

Because they are the heart of any wage incentive plan, operator production standards are at once the point of highest importance and greatest vulnerability. Production standards for a particular job at a particular plant can be determined only by time studies conducted for that job at that plant.

"Standard production is the rate at which a normal average worker performs at an average rate of speed under average working conditions and, as a result, produces an average daily production of average quality. This rate may be expressed in the number of units of output an hour or in the number of hours to produce 100 units."*

Although it is impossible to create a single, inflexible set of standards for all laundries, the figures here are helpful as guides for rough estimation or comparison.

Standards and Incentives

Working from extensive time studies conducted on the job, field engineers of the American Institute of Laundering established the following production standards for a typical laundry in the Middle West. Wage incentive payments based on these standards raised the plantwide production efficiency to 98 percent of standard.

Although careful time studies are necessary before the installation of a workable wage incentive plan, the important factor which must be kept in mind is that of allowing for sufficient flexibility in setting plant standards, in

order that adaptation of departmental changes may be readily made to the existing system.

A change in plant layout which permits a more effective workflow, the installation of equipment which results in greater productivity, as well as fashion changes, directly affect the criteria set for production under an incentive system.

There are numerous other factors which must be taken into consideration before an incentive plan is installed in a plant. Therefore, arbitrary standards should not be set; as plant conditions change the incentive system in effect must possess that adaptability which will grant the greatest effectiveness.

Generally speaking, there are three basic incentive systems:

1. The piece-rate plan is the easiest to understand. The girls get so many cents per shirt. The more they produce, the more they make. But it doesn't allow for the element of time, nor does it have any relation to other wages paid in the plant. And if the laundry buys new, faster units, the base rate will have to be reduced—never a popular move.

2. The sharing plan is all right where no previous plan has existed. In this case standards are established, and management and labor split the profits of excess production. It is, however, a weak incentive compared to others.

3. Most popular is the standard hour plan. The wages paid are in direct proportion to increases in production. It allows for variations in the base hourly rate, And wages and productivity are considered independently.

^{*} AIL Special Report No. 141, "Wage Incentives for Power Laundry."

Bundle Breakdown

The following tabulation of bundle contents for various services is interesting although it is improbable that other laundries would have the same "mix." Here the average weights of various classifications of soiled laundry are compared to total average bundle weights.

	Bachelor	Dry-Fold	Fluff-Dry	Economy
Tumble-dry	6.6%	89.2%	41.8%	28.6%
Flatwork ironed			46.3	44.5
Shirts, regular & work	43.2	8.0	9.2	11.7
Shirts, sport		2.4	1.2	2.5
Wearing apparel				12.3
Other (specialties or				
finished socks)	.8	.4	1.5	.4

A few other items of useful information developed from this particular study:

1. There were 792 pieces of small flatwork in every 100 bundles.

2. There were 293 pieces of large flatwork in every 100 bundles.

There were 559 pieces of wearing apparel in every 100 bundles.

4. Average weights of bundles in various services:

Bachelor	0			0										4.1	lb.
Dry-fold	0		0	0	0		0					0		20.0	lb.
Fluff-dry			0			0	0			0	p		0	15.6	lb.
Economy							٠	0			0	0		20.9	lb.

Items such as play clothes and overalls vary considerably throughout the country. It is important, therefore, that individual samplings be made.

Flatwork Standards

With Folding and Stacking Machines

Service	Piece	Points Per Lb.	lb. P.O.H.
	Sheets	.7	143
Commercial	Pillowcases	1.3	77
Commercial	Tablecloths and Aprons	1.9	53
	Small Pieces	2.5	40
	Sheets	.9	111
Family	Tablecloths	2.2	45.5
	Small Pieces and Pillowcases	2.5	40

One eight-roll ironer handles all small pieces and is equipped with a stacker. A small conditioning tumbler is used for small pieces such as napkins and barber towels; the tumbler operator's time is charged to the crew. The other eight-roll ironer is equipped with a folder and handles only sheets and tablecloths. No shakeout tumbler is used. On commercial sheets, no attention is paid to which side of the sheet gets ironed, and the machine is run at about 80 feet per minute. Two operators lay the sheets out, two feed and one folds. One stacker takes care of tying, weighing and recording for both machines.

Family sheets are run at about 60 feet per minute and must be ironed on the right side. On small tablecloths, each feeder works independently. Although the folding machine works in two lanes and folds tablecloths fed in this way, two operators are needed on folding. With the regular five-girl crew, the one operator available for preparing the tablecloths is unable to keep up with the rest of the crew. A sixth operator must then be added, or one feeder and folder must come back and prepare pieces.

Typical Flatwork Standards

			Crew		Av. Wt. per	Machine	Standard Hours	
Shaker	Feeder	Folder	Backup	Ironer	Bundle	Speed	for 100 lb.	Lb. P.O.F
				Family				
2	2	2	1	6-roll 120"	9.5		2.63	38
	2	2	1	6-rail		20'-40'	2.25	45
2 2 2	2	2	1	Willey chest-type		21'-32'	2.85	35
2	2	3		8-roll 120"		32'	2.272	44
1	2	2	1	6-roll 110"	5.97	37'	2.91	34.3
2	2	2	i	2-30" Willey 120"	7.6		3.33	30
1	2	2	1	6-roll	6.7	52'	2.70	37
2	2	2	i	6-roll 120"	7.8	42'	2.70	37
1	3	3		0-1011 110	7.9			33.2
1	2	2			7.9			41.8
	-	-			***		1.923	52
	2	2		4-roll American	lot 60.6#	15'-24'	2.448	41
		4		6-roll Watts 120"	7.5	13-24	3.31	30.2
1	3	3	1	2 36"-120"	7.3		2.22	45
				Commercial				
				6-roll 120"		20'-60'	2.15	46.5
2	2 2	2			50.5	37	2.13	39
		2		6-roll 110"	30.3	3/		
!	2	2	1	2-30" Willey 120"	100		2.60	38.4
1	3	3			18.3			
1	3	3						32
1	2	2			18.3			33.0
							2.272	44
	3	3	2.	2-30" Watts 120"		32	3.06	32.7
	3	4	2	2-30" Watts 120"			3.82	26.2
				6-roll 120" Watts	28.7		3.17	31.5
1	2	2	1	6-roll American			2.632	38
				Family and Commercial Combined				
2	2	2	1	8-roll 120"			2.56	39
1	2	2	1	4-roll	6.7	52'	2.70	37
2	3	3	2	2-30" Watts	9.4	32'	3.7	27
1	3	3					2.93	34
1	2	2					2.51	39.9
				6-roll Watts 120"			3.24	30.8
1	3	3	1	6-roll American 100"			2.50	40

Continued on page 96

Flatwork Ironer Production

	4 11 - 1	Operators			Lb. Per Operator Per Hour								
Method	Shakers	Feeders	Folders	Counters	Hand Ironers	4 Roll	6 Roll	8 Roll	T Cyl.	Cyl.			
	1	2	2			30							
4-4	2	2	2	1	1		35	35	35	35			
Wet	3	2	2 .	1	1		38	38		35 38			
	1 3	2	2	1	1			44					
		2	2			40							
	2	2	2	1.			45	4.5	40	45			
ully Identified	2 1/2	2	2	1/2 *			45	45		45			
	2 1/2	2	2 1/2	1*			45	45		45			
	4	3	3	1.				50					
	2	2	2	1			50	50		50			
Commercial	2 1/2	2	2 1/2	1			50	50		50			
	3 1/2	2	2 1/2	1			50	50		50			
inen Supply	2 1/2	2	2 1/2	1			40	40		40			
hake Feed	1	2	2	1	1		35	35		50 50 50 40 35 35			
muke reed	1 1	4	2		1		35	35		35			
Float Roll	2	2	2	1			32	32					

^{*} Additional folders.

Average Production on a Typical Ironer (Family Work Only)

		C	rew		Machine		Standard	
Article	Shaker	Feeder	Folder	Backup	Speed	Lb. for Piece	Hrs. for 100 Pcs.	Lb. P.O.H
Sheets	2	2	2	1	40	1.5	1.92	52
	2	2	2	1	46	1.44	1.68	59.5
	2	2	2	1	32	1.44	2.48	40
	2	2	2	1 .	60	1.50	1.00	100
Pillowcases	2	2	2	1	20	.29	2.95	34
	2	2	2	1	23	.29	3.06	32.7
	2	2	2	. 1	32	.29	3.34	30
	0	2	2	0	19	.287	2.00	50
Hand Towels	2	2	2	1	40	.17	2.35	42.5
	0	2	2	0	28	.202	1.49	67
Table Linen	2	2	2	1	40	.69	3.84	26
	2	2	2	1	36	.69	3.98	25
	2	2	2	1	21	.69	4.90	20.4
	0	1	2	3	21	.888	1.62	62
Spreads	2	2	2	1	40	2.30	2.54	39
	2	2	2	1	36	2.34	2.49	40
	2	2	2	1	32	2.34	2.97	33.6
	1	3	3	0	60	1.28	1.45	69
Small Pieces	2	2	2	1	36	.17	3.15	32
	2	2	2	1	32	.17	2.94	34

Pressing Department Production Standards

With the pin-and-net system of identification the wearing apparel finisher is expected to do 90 points per operator hour. With a full identification system 100 points per operator hour. Where specialization is the rule the standard is 115 points per operator hour.

Tumblers

Tumbler Size	Capacity	Time
36" x 18"	20 lb.	30 min.
36" x 24"	26 lb.	30 min.
36" x 30"	32 lb.	30 min.
36" x 36"	52 lb.	30 min.
42" x 42"	70 lb.	30 min.
42" x 90"	150 lb.	30 min.

100 pounds per operator per hour Fold and wrap (rough-dry wearing apparel) — 750 pieces or 560 pounds per operator per hour Fold bath towels (24" x 44")

A bulk system permits greatest production, Usual time for a tumbler load is 25 to 30 minutes. One operator can usually handle three or four small open-end tumblers—loading, unloading, folding and stacking. For the complete

operation a worker should produce about 100 pounds per hour at standard, doing the tumbling and folding, using four tumblers.

Washroom Standards

Washing and Extracting Crew	Standard Hours Per 100 Lb.	P. O. H.
3	.330	300
3	.385	260
2	.446	224
3	.398	251
4	.359	279
2	.333	300
3	.357	280
2	.287	349

Washroom production standards are difficult to establish even with good time study. In this department the standards differ widely between plants because of substantial differences in equipment, machine loading and workflow. The table above indicates standards determined in a random group of average plants washing principally family work. It clearly shows the wide variations that can, and do, exist among plants.

Hand Touch-Up Points

Garment	Points	Per	Piece
Lace or ruffled collars			
Skirts			
Sleeves		1	
Pockets			
Puff coats or uniforms			
Nightgowns			
Brassieres		2	
Slips		-	
Caps			
Dresses Blauses Aprons Shirts Plain cushion cover Children's wear	• • • • • • • • • • • • • • • • • • • •	3	
Uniforms		5	
Robes		3	
Plain chair cover		7	
Plain divan cover		9	

Hand-Iron Complete

Garmen	t																						9	ď	ii	nfs	Per	Piec
Nopkins																			, ,								2	
Slips																											5	
Blouses						 						0	0	0 4					. ,		0	0	0	0	0		6	
Children's d	re	23	81	81	6		0	0	٠			0	0 1			0			 			0					8	
Table covers						 			0		0					0		0						0			8	
Nightgowns						 							0						0 1								9	
Robes																											10	
Silk dresses																											13	
Silk shirts																											15	

Wearing Apparel Finishing Points

Men's Garments		Uniforms and Supply	
Shirts, long sleeve	3.5	Garments	
Shirts, polo	2.6		
Shirts, sweat	1.4	Uniforms, plain	6.8
Overalls	4.2	Uniforms, fancy	8.4
Coveralls	7.2	Aprons, waist	1.0
Coveralls, pants creased 1	1.9	Aprons, butcher or bib	1.8
Work pants	5.4	Aprons, full skirt bib	4.2
Wash pants, linen	6.2	Coats	4.5
Wash coats	7.3	Vests	1.7
Wash vests	1.7	Jackets	3.6
Wash ties	1.9	Frocks	5.8
Shorts	1.8	Work pants	5.4
Undershirts, wet	1.1	Cap covers	1.3
Undershirts, tumbled	.6	Caps, soda	.9
Nainsook union suits	3.1	Caps, chefs' and gracery	1.4
Jockey shorts	.8	Caps, nurses'	1.1
Long underwear	3.3	Head bands	.6
Nightshirts	3.2	Chair bands, laundry bags .	.7
Pajama trousers	2.1		
Pajama coats, open	2.8	Miscellaneous	
Pajama coats, closed	2.1		
		Belts	.5
		Handkerchiefs, sox, small flat	.7
		Collars and cuffs (each)	.6
		Puff caps	.5
Ladies' Garments		Puff or press shoulders	.9
		Covers, cushion	1.9
Dresses, plain	3.8	Covers, chair	9.9
Dresses, fancy	5.5	Covers, divan	11.5
Sport shirts or blouses	3.0	Bath or beach robes	3.6
Aprons, waist	1.0	Tablecloths	5.1
Aprons, open-neck tea	2.0		
Aprons, closed-neck tea	3.0	Children's Garments	
Wash coats	4.6		
Skirts	2.0	Boy's pants	2.5
Slacks	4.4	Boy's long trausers	4.1
Nightgowns	3.2	Boy's blouses	2.6
Slips	1.8	Child's washcoats	4.2
Panties	1.6	Child's bathrobes	2.0
Long underwear	3.3	Child's dresses	2.8
Brassieres	1.4	Child's panties	1.0

STANDARD PRODUCTION $\equiv 100$ points per operator per hour based on two standard mushrooms and one large press and full identification

Operator Production Standards

Operation		Standard Units Per Operator Hou		
IDENTIFICATION				
Conveyor—economy	200.0	pounds		
dry-fold	243.9	pounds		
fluff-dry	263.1	pounds		
small commercial	543.4	pounds		
Chute—homes only	512.8	pounds		
matels only	1250.0	pounds		
Marking-bachelor bundles	153.8	pieces		
commercial bundles	123.4	pounds		
Attaching identifying tabs				
shirts—list pieces	. 232.5	tabs		
Net service		pounds		
DAMP ASSEMBLY & DISPATCH				
Combination standard	35.8	bars		
Damp assembly	81.9	bars		
Damp dispatch		bars		
Attach clips—wearing apparel		clips		
shirts		clips		
Bundle work dispatch		lots		
TUMBLING				
Tumble & fold—coveralls	. 60.9	pieces		
Tumble—family bundles		pounds		
Fold tumbled—family bundles		pounds		
Fold tumbled work—automatic wrapper		pounds		
SHIRT FINISHING				
Regular shirts				
2-girl unit #1	25.0	pieces		
2-girl unit #3				
3-airl unit		pieces		

Operation	-	Opera	Units for Hou
Sport shirts			
2-girl sport unit		20.9	pieces
FLATWORK FINISHING			
Family work			
8-roll, 6 operators		43.4	pounds
8-roll, 5 ½ operators			pounds
Family work-white flat only, 6-roll			pounds
WEARING APPAREL FINISHING			
Half slip		71.4	pieces
Blouse		29.4	
Pajama pants		30.3	pieces
Pajama top		27.0	pieces
Panties		71.4	pieces
Brassiere		76.9	pieces
Pants		20.0	pieces
Dress		12.5	pieces
Shirt, short sleeve		20.8	pieces
Shirt, long sleeve		13.6	pieces
Full slip		58.8	pieces
Shorts		35.7	pieces
Sunsuit jacket		43.4	pieces
Pedal pushers		25.6	pieces
Silk polo shirt		21.7	pieces
Nightgown		29.4	pieces
Sweater		43.4	pieces
WEARING APPAREL			
Hand ironing		108.6	points
Inspect & fold		465.1	points

Operation	_	Units tor Hou							
LINEN SUPPLY FINISHING									
Coats		28.7	pieces						
Uniforms		20.4	pieces						
Doctor gowns		35.8	pieces						
Barber gowns		35.8	pieces						
Frocks		23.8	pieces						
Ladies' aprons		71.4	pieces						
Tea aprons		71.4	pieces						
Vests		29.8	pieces						
S.V.A. robes		35.8	pieces						
ASSEMBLY & WRAPPING									
Combination standard Detach clips w/a and shirts		304.8	clips						
Shirts only		295.8	clips						
Wearing apparel only		316.4	clips						
Sort and check bundle work		248.7	pieces						
Wrap shirts and wearing apparel		81.3	bundle						
Wrap flat and tumble bundles—conveyor wrapping		92.4	bundle						
BLANKET DEPARTMENT									
Mark in pieces		46.2	pieces						
Wash, card & hang		11.5	pieces						
Wash & extract		24.1	pieces						
Card or fluff		35.9	pieces						
Hang to dry		57.1	pieces						
Take down, hand-iron binding, bag and seal		17.8	pieces						
Take down, hand-iron binding and bag		27.3	pieces						
Seal bags		51.5	pieces						

Pounds P.O.H.	8-roll	8-roll commercial	6-roll 5 operators	6-roll 6 operators
Sheets	124.0	125.0	113.6	108.6
Pillowcases	90.0	71.4		
Table tops	72.9			
Tablecloths	61.7			
hospital	74.6			
Louis		109.8		
Napkins		28.9	31.3	40.8
small	28.5			
large	40.3			
Towels				
hand	69.4	44.4	79.3	75.7
dental	31.2			
roller	36.4	65.3		
soda	56.0	49.5	48.0	44.4
barber	37.7		41.4	38.4
continuous		129.8	99.0	91.7
Aprons, waist	81.9	-	97.0	90.9
bib	64.5		70.4	64.5
Bedspreads	98.0			
Drapes	54.6			
Bath towels	43.4			
Family	43.4			
Hair cloths	31.2			
Biankets	54.6			
Mattress covers	54.6			
Small commercial	40.8			
Large commercial	60.6		64.1	60.6
Commercial		60.6	44.0	40.8
Slips		00.0	68.4	63.2
Rags	_		48.0	44.4
Scarf	90.0		40.0	-4.4

Water Supply

Water Hardness Data

Water hardness is usually expressed in parts per million or grains per gallon of calcium carbonate. Similarly, exchange capacity is ordinarily expressed as grains of calcium carbonate per cubic foot of mineral.

Basically, two types of zeolites—natural and synthetic—are most commonly used in softening water. Natural zeolite (greensand) ordinarily operates in the range of 3,000 to 5,000 grains of calcium carbonate per cubic foot. Synthetic equivalents, although more expensive, will usually show exchange capacities ranging from 6,000 to 12,000 grains. Choice will depend on the exchange capacity desired or on minor chemical differences,

A synthetic zeolite with a high exchange capacity offers advantages when water hardness runs 10 to 20 grains per gallon.

Greensand is often preferred when water hardness runs 5 or 6 grains per gallon.

Water that is not very hard is likely to attack a synthetic zeolite and dissolve some of its silica content. Greensand is more resistant to this type of corrosion and also tends to hold up better in acid waters.

Classification of Hardness

One grain equals 17.1 p.p.m.

Soft: Three or less grains of hardness per U. S. gallon (51 p.p.m. or less)

Moderately hard: Three to six grains per gallon (52 to 102 p.p.m.)

Hard: Six to 18 grains per gallon (103 to 306 p.p.m.)

Very hard: More than 18 grains per gallon (above 307 p.p.m.)

Types of Water Hardness

There are two types of hardness, temporary and permanent. Temporary hardness is usually caused by the bicarbonates of calcium and magnesium, and can be removed by boiling. If the compound is in any of the other two forms, namely sulfates or chlorides, it cannot be removed by merely boiling the water. This type of hardness is known as permanent.

What is pH?

Water is a chemical compound composed of two atoms of hydrogen and one of oxygen (H₂O). One of these hydrogen atoms carries a positive electrical charge and is known as the hydrogen, or H, ion. The other hydrogen atom is combined with the single oxygen atom and this combination, which has a negative electrical charge, is called the hydroxyl, or OH, ion.

Pure water contains equal numbers of H and OH ions. Thus, pure water is neutral since there is a balance between the positive and negative electrical charges. Many substances, when dissolved in pure water, upset the balance between the H and OH ions, When more OH than H ions are present water is alkaline. When more H than OH ions are present water is acid.

The product of the H and the OH ions in a solution remains constant at the same temperature. Doubling the number of H ions halves the number of OH ions, and vice versa. Thus, merely measuring the concentration of H ions tells how acid or alkaline a solution is. For this purpose the pH scale, ranging from 0 to 14, was devised.

The neutral point on the pH scale is 7. Acidity is measured downward from 7 to 0; alkalinity runs from 7 to 14. It will be noted that the scale is worked out mathematically

in such a way that the relation of change between one full number and the next is tenfold.

Laundry practice has shown that certain OH ion (alkali) concentrations produce maximum detergent action. Bicarbonate in the water supply and soil in the clothes act as acids and consume OH ions. In the neutralizing of these factors and the achieving of the alkali concentration required, the pH test is a convenient and necessary yardstick for efficient washroom practice.

pH Values Used in Washroom Control

pH Scale	0	
A	1	
C	2	
1	3	
D	— 3.5—Rust removal	
ī	— 3.5—Sour fugitives, silk and	woo
v	5	
	6 - 5.0-Sour starch work	
Neutral	7 — 6.0—Sour sheets	
A	8.0—Safe point to stop rinsi	ng
K	9	
L	10 —10.0—Suds on wool or silk, first rinse —10.6—First suds, light soil and sequent suds for me	sub
N _	11 and heavy soil	
1	—11.6—First suds or break to	
Y	12 medium and heavy so	
	13	
-	14	

Source: Hotel Textile Purchasing Guide

The practical washroom working limits range from pH 4.0 to pH 11.6. The safe limits are a little broader, from pH 3 to pH 12.

Measuring pH

The colorimetric method is the most practical way for measuring pH in the washroom. Several kits are available. One involves filling a test tube with water from the washwheel and adding a measured quantity of special indicator to produce a characteristic color. This colored solution is then compared with a series of standard solutions which have known pH values and thus the pH of the washing solution is readily determined.

Another colorimetric method uses 10 drops of a standard indicator in 25 ml. of the solution to be tested. The color produced is compared to standards on a color chart to determine the pH.

Titration Defined

Titration is a means of measuring the amount of alkali present in a load while pH stands for the degree of alkalinity. Each measurement serves a definite purpose. Used together, they give a clear picture of what is occurring during washing.

There are weak and strong alkalies and acids. It is possible to reach a high degree of alkalinity by using a small

amount of a strong alkali, but there may not be enough alkaline material present to do a good job of washing. Similarly, adding a large amount of a weak alkali may result in a relatively low pH value. Although there is a large amount of alkaline material present, the pH value may be too low to assure good washing.

Table of Water Heads and Equivalent Pressures

To estimate any pressure, multiply the head (in feet) by .433. The result is pounds per square inch. For every 2.3 feet the water head is above the discharge, 1 pound per square inch is added to the pressure.

	Pressure Pounds		Pressure Pounds		Pressure	
Head Per in Square		Head	Per Square	Head	Per Square	
Feet	Lich	Feet	Inch	Feet	Inch	
5	2.17	125	54.13	550	238.15	
10	4.33	150	64.95	600	259.80	
1.5	6.50	175	75.78	650	281.45	
20	8.66	200	86.60	700	303.10	
30	12.99	225	97.43	750	324.75	
40	17.32	250	108.25	800	346.40	
50	21.65	275	119.08	850	368.05	
60	25.98	300	129.50	900	389.70	
70	30.31	350	151.55	950	411.35	
80	34.64	400	173.20	1000	433.00	
90	38.97	450	194.85	1100	476.30	
100	43.30	500	216.50	1200	519.60	

Dimensions of Standard Wrought Pipe

Adequate water supply in the washroom is dependent upon proper balancing between main lines and washer feeder pipe requirements. A battery of ten washers, six taking 2-inch lines and four taking 1½-inch lines, will require a 6-inch main. From the chart, six 2-inch pipes

Nominal Size in Inches	Actual Inside Diameter (Inches)	Outside Circumference (Inches)	Inside Cross- Section Area (Square Inches)
1/6	.269	1.272	.057
1/4	.364	1.696	.104
36	.493	2.121	.191
1/2	.622	2.639	.304
34	.824	3.299	.533
1	1.049	4.131	.864
1 1/4	1.380	5.215	1.495
1 1/2	1.610	5.969	2.038
2	2.067	7.461	3.355
2 1/2	2.469	9.032	4.787
3	3.068	10.996	7.393
3 1/2	3.548	12.566	9.886
4	4.026	14.137	12.730
4 1/2	4.506	15.708	15.961
5	5.047	17.477	20.006
6	6.095	20.813	28.891
7		0 0 0 0	38.484
8	7.981	27.096	50.027
9			63.617
10	10.020	31.368	78.855
12	11.938	40.056	111.930

Source: AlL

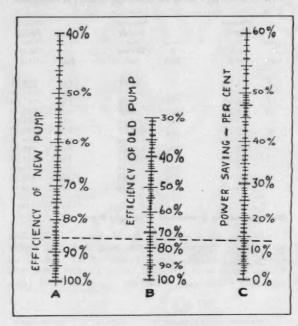
require 6×3.355 square inches + four $1\frac{1}{2}$ -inch lines, $4 \times 2.036 = 28.274$ square inches required. A 6-inch pipe has a total cross-sectional area of 28.891 square inches which will allow for possible future expansion.

Since all washers will not be filling at the same time, a 20 to 25 percent reduction in capacity is permissible between the main line and total requirements of all feeder

lines. In the case cited above, a 5-inch main would provide 30 percent less water than the 6-inch pipe; this might be satisfactory with staggered loads, but it would allow no provision for future expansion and would be inadequate for peak requirements.

Measuring Pump Efficiency

In comparing efficiency of pumps, users often make the mistake of subtracting the efficiency of the old pump from the efficiency of the new pump and calling the difference the



improvement in efficiency. The correct method is to subtract the two efficiencies, and then divide the difference by the efficiency of the new pump.

If the efficiency of a present pump is 74 percent and installation of a new pump at 85 percent efficiency is

planned, the change will not be worth just 11 percent. Efficiency will improve 13 percent, and it will cost 13 percent less to operate the new pump. For example:

$$0.85 - 0.74 = 0.11$$

 $0.11 \div 0.85 = 0.13$

The accompanying chart makes it easy to determine increases in efficiency without any longhand figuring. Simply run a straight line through the efficiency of the new pump, column A, and the efficiency of the old pump, column B, and the power saving or improvement in efficiency is given in column C. The dotted line here runs from 85 percent efficiency of the new pump through 74 percent efficiency of the old, and shows in column C that the power saving is 13 percent.

Expansion of Pipe

Increase in length inches per 100 feet

Temp.	Steel	Wrought	Brass or Copper	Temp.	Steel	Wrought	Copper
20	.15	.15	.25	220	1.80	1.85	2.65
40	.30	.30	.45	240	2.00	2.05	2.90
60	.45	.45	.65	260	2.15	2.20	3.15
80	.60	.60	.90	280	2.35	2.40	3.45
100	.75	.80	1.15	300	2.50	2.60	3.75
120	.90	.95	1.40	320	2.70	2.80	4.05
140	1.10	1.15	1.65	340	2.90	3.05	4.35
160	1.25	1.30	1.90	360	3.05	3.25	4.65
180	1.45	1.50	2.15	380	3.25	3.45	4.95
200	1.45	1.65	2.40	400	3.45	3.65	5.25

Allowance for expansion in any given run of pipe is dependent upon the variations in temperature to which the pipe will be subjected. The table gives expansion in inches per 100 feet of different type pipes at various degrees temperature. To compute the amount of expansion to be provided in specific lengths of pipe, read from the table the figure showing maximum expansion for 100 feet at the temperature expected. Divide this figure by 100 to determine the expansion per foot and multiply by the length of pipe under consideration. For example, 80 feet of steel pipe taking water at 180 degrees Fahrenheit will require an allowance of 1.16 inches for expansion (1.45, from the chart, \div 100 \times 80 = 1.18 inches).

Proportions Between Feed Pipes and Main Lines

(Number of smaller pipes to equal cross-sectional area of one larger pipe)

Main Line Sizes	reed ripe dizes (inches)													
(Inches)	36	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	6
36	1									4) -				
1/6	1.6	1			***				***					
3/4	2.8	1.8	3										111	
1	4.5	2.8	1.6	1			***					***		***
11/4	7.8	4.9	2.8	1.7	1		0.00							
1 1/2	10.6	6.7	3.8	2.4	1.4	1			* * *		***			* * *
2	17.6	11.0	6.3	3.9	2.2	1.6	1					- 1		
2 1/2	25	15.7	9.0	5.5	3.2	2.4	1.4	1						
3	39	24.3	13.9	8.6	4.9	3.6	2.2	1.5	1			***	***	* * *
31/2	52	32	18.5	11.4	6.6	4.8	2.9	2.1	1.3	1				
4	67	42	24	14.7	8.5	6.3	3.8	2.7	1.7	1.3	1			
4 1/2	83	52	30	18.5	10.7	7.8	4.8	3.3	2.2	1.6	1.3	1	***	
5	105	66	38	23	13.4	9.8	6.0	4.2	2.7	2.0	1.6	1.3	1	
6	151	95	54	33	19	14.2	8.6	6.0	3.9	2.9	2.3	1.8	1.4	1

Source: AlL

This table may be used when washer feed pipes of one size only are to be taken from a main line. From the chart 8.6 2-inch pipes are equivalent in cross-sectional area to

one 6-inch main. Since the area of the main line ordinarily may be 25 percent less than total of all pipes to the washers, ten 2-inch lines may be taken from a 6-inch main.

Power Plant

Power Plant Requirements

Whether planning expansion of an existing laundry plant or building from the ground up, some method must be used for arriving at an accurate estimate of probable power requirements. The electricity, steam and air used by every item of equipment must be taken into consideration. Mistakes in calculating power demands on boilers, engines, generators, air compressors, etc., can result in excessive investment and operating cost.

A reasonably accurate approximation of plant power requirements can be made as follows:

Steam: In most laundries the largest single item of steam demand is water heating. Ordinarily the heating of water requires about two-thirds of the boiler output with the remaining one-third going to other plant equipment. When calculating the amount of steam that must be available for heating water it is advisable to use the figure representing the maximum hourly hot water consumption. It has been found in actual practice that the total water consumption in the average plant is about 4½ gallons per pound of clothes.

The total steam requirement for a plant is found by obtaining the sum of the steam required for processing equipment, steam needed for heating water, and steam required to operate the engine. To the sum thus obtained it is advisable to add 10 percent to allow for unavoidable losses.

Electricity: The average electrical load for a plant is estimated by taking 60 percent of the sum of the rated horse-power of all motors in the plant. The maximum electrical load is estimated by taking 80 percent of the total rated motor horsepower.

Air: Compressed air required is determined by obtaining the sum of the compressed air requirements of all the machines in the plant.

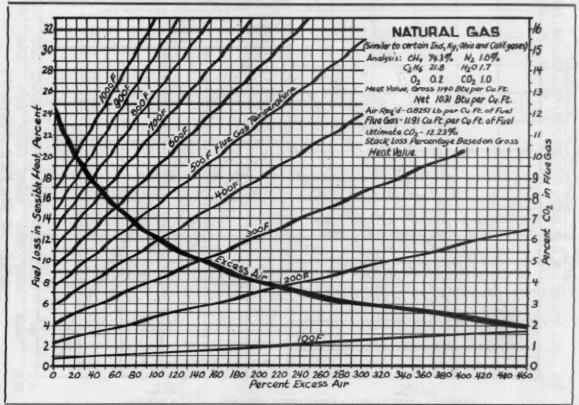
Source: AIL

Boiler Efficiency

The operator of the average small plant does not have the time or money or, in most cases, the know-how to run a series of elaborate tests and go through cumbersome tables to check on his boiler efficiency. He can and should, however, see to it that routine tests are made.

The two principal indications of boiler efficiency are car-

Boiler Efficiency Chart for Natural Gas



Source: Air Conditioning, Heating and Ventilating

In this chart, fuel loss in sensible heat percent may be interpreted as boiler efficiency. Zero fuel loss would be equivalent to 100 percent efficiency; 10 percent fuel loss to 90 percent efficiency, and so on. Assuming that CO₂ and flue gas temperature are known, read across from right on CO₂ line to intersection of excess air curve. From intersection read straight up or down to intersection of flue gas temperature line. This point, carried straight across to fuel loss axis, indicates fuel loss. Assume that CO₂ percent is 6 and flue gas is 600° F. Reading from right on 6, line intersects excess air curve about 105. Then, reading straight up to 600° F line, we get a fuel loss of approximately 19.5 percent

bon dioxide (CO₂) content and temperature of the flue gas. Generally speaking, the higher the CO₂ content and the lower the flue gas temperature, the more efficient the boiler. Optimum CO₂ content varies with the fuel, but it averages around 15 percent for coal and oil. With natural gas, 10 to 12 percent would be tops. Only in rare cases can the optimum be achieved at all times. If your boiler, firing coal or oil, operates with an 11 percent CO₂ and a flue gas or stack temperature of 450 to 600° F, it will be operating at better than 75 percent efficiency.

To obtain these readings, two instruments are required. An Orsat analyzer indicates CO₂, carbon monoxide and oxygen content of the flue gas. Simpler types of Orsats measure only CO₂. The other instrument is a flue gas thermometer with a range of 400 to 1000° F. The readings should be taken when the boiler is carrying its heaviest load.

In many cases a local plumber or heating-installation man is equipped to take the required readings. Once the readings are obtained, it is merely a matter of adjusting the firing controls to gain maximum efficiency. It goes without saying that the boiler must be kept clean at all times.

The procedure outlined above should be a part of regular plant maintenance and should be checked at least once

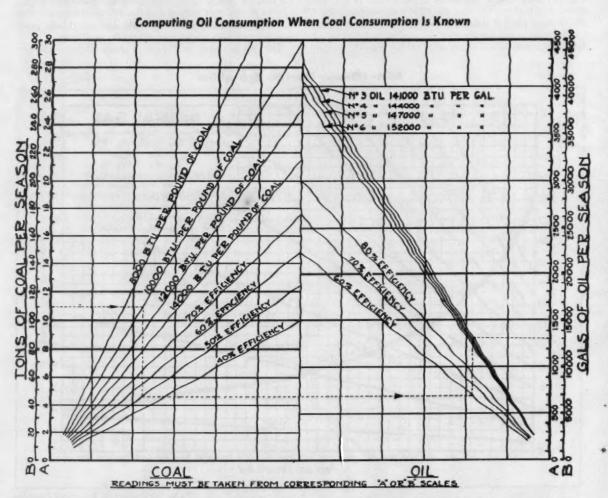
a month. A more complete checkup involving such factors as excess air and carbon monoxide should be attended to once a year.

The chart on the preceding page may be used to compute boiler efficiency, given CO₂ content and flue gas temperature.

Percentage of Boiler Failures Due to Human Error

Cause	Steel Fire- Tube Boilers	Steel Water- Tube Boilers	Cast-Iron Boilers
Failure to clean	12.2%	25.0%	0.3%
Failure to maintain appliances or auxiliaries	3.0%	1.2%	1.0%
Failure to test and maintain			
Failure to blow down properly .	53.0 %	15.3%	28.7%
Failure to maintain water level . Failure to regulate properly	13.8%	14.3 % 3.5 %	9.3%
External causes (blows, freezing, etc.)	1.7%	2.1 %	4.5%
Totals	85.2%	62.5%	45.7%

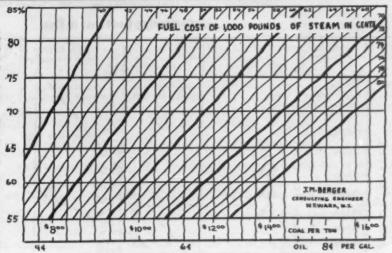
Source: Hartford Steam Boiler Inspection & Insurance Co.



When coal consumption is known, this chart permits ready estimation of comparative gallons of oil required. Locate coal consumption on left-hand A or B scale, read right to the heat content, down to the efficiency curve. From this point trace horizontally right to the assumed oil efficiency, up to the grade of oil assumed, then right to the corresponding A or B scale for oil and read to the comparative oil consumption. As illustrated in the dotted lines above, if a plant burns 110 tons of 10,000 B.t.u. coal at an efficiency of 50 percent, a comparative oil burning installation using No. 4 oil at 60 percent efficiency will require 13,000 gallons of oil for the same period. The chart may be used in reverse when oil consumption is known to estimate comparative tons of coal needed for a like period of time

Steam Cost Chart

Chart indicates the cost of steam at varying prices for coal and oil with different over-all operating efficiencies. From cost of oil or coal at the bottom of chart trace up to point of assumed boiler efficiency on the scale at the left. The point of in- 75 tersection on the slanting line will show fuel casts per 1,000 pounds of steam and can be read to nearest cent or to a tenth of a cent by proportion. For example, a laundry using No. 6 Bunker C oil selling at 5.2 cents per gallon with a boiler of 65 percent efficiency will be paying 53.4 cents per 1,000 pounds of steam. Improving the boiler efficiency to 75 percent will cut steam cost to 46 cents, resulting in a saving of 7.4 cents per 1,000 pounds. Or a 70 percent efficient boiler burning 14,000 B.t.v. coal selling at \$10 per ton will deliver 1,000 pounds of steam at 51 cents per 1,000 pounds. 55 This chart may be used in plotting the comparative costs of coal and oil or for figuring possible savings from stokers and combustion controls. If twel costs go higher than shown on chart use one half fuel cost and multiply resulting cost of steam



Based on 14,000 B.t.v. per pound of coal and 150,000 B.t.v. per gallon of oil, steam pressure 105 pounds gauge, maisture 2%, teed water 205° F

Storage Heater Requirements

		General Laundr	Y.		Wet and Fam	ily		Flatwork Laun	dry
Numbe Washer		Engine Horsepower	Storage Size (Gallons)	Gallons Per Hour	Engine Horsepower	Storage Size (Gallons)	Gallons Per Hour	Engine Horsepower	Storage Siz (Gallons)
Smal	75	3	100	100	4	100	150	6	100
Medi			150	150		150	250		150
Big	140	5	200	210	6	175	350	8	175
Smal	1 150	5	150	200	6	150	300	8	150
Medi			200	300		175	500		175
(Big	280	8	250	420	9	200	700	- 11	200
Smal	225	8	250	300	9	200	450	10	200
Medi			300	450		250	750		250
Big	420	12	400	630	11	300	1050	13	300
Small	300	9	300	375	11	250	575	12	250
Medi	um 400		400	575		300	950		300
Big	550	1.5	500	800	14	400	1350	16	400
Small		12	400	450	12	300	700	14	300
Medi	um 475		500	700		400	1150		400
Big	675	20	600	970	16	500	1650	20	500
Small		18	500	525	15	400	825	16	400
Medi	um 550		600	825		500	1350		500
Big	775	25	700	1140	20	600	1950	23	600
Small	450	20	600	600	16	500	. 950	18	500
Medi	um 625		700	950		600	1550		575
Big	900	30	800	1300	20	700	2250	25	650
Small	500	25	700	675	18	600	1075	20	575
Medi	um 700		800	950		700	1750		650
Big	1015	35	900	1450	25	800	2525	28	725
Small	550	30	800	750	20	700	1200	25	650
Medi	um 775		900	1075		800	1950		725
Big	1125	38	1000	1600	28	900	2800	33	800
Small	600	35	1000	850	25	800	1325	27	725
Medi	um 850		1100	1200		900	2150		800
Big	1240	45	1200	1750	33	1000	3075	37	875
Small	650	40	1100	925	28	900	1450	30	800
Medi			1200	1325	1111	1000	2350		875
Big	1350	50	1300	1900	35	1100	3350	40	950
Small	700	4.5	1300	1000	30	1000	1575	35	870
Medi			1400	1450	- 1	1100	2550		950
Big	1460	60	1500	2050	38	1200	3600	45	1025

Source: Whitlock Mfg. Co.

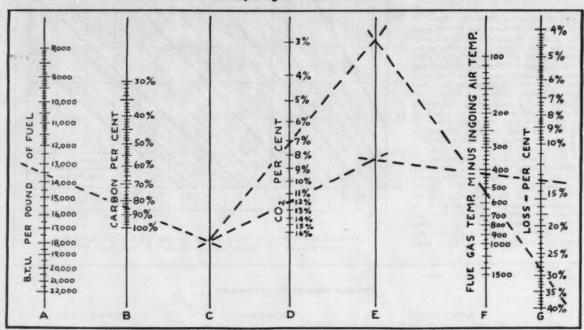
Although no definite rule can be applied to the selection of the proper storage heater to cover conditions in every laundry, this table indicates requirements usually applicable to various types and sizes of plants. Output in gallons per hour is figured for a temperature increase of from 40 degrees to 180 degrees Fahrenheit. Heating to 160 degrees, it is

possible to obtain one-fifth more water with the same engine and heating unit.

In those plants where a preheater is used and water comes to the storage heater at temperatures well above 40 degrees, proper allowance must be made in the size of heater selected.

Continued on page 104

Computing Heat Loss in Flue



Using this chart to compute heat loss in the flue, zigzag a ruler through the columns from left to right, as shown by the dotted lines.

For example, the heat value of coal used in a certain plant is 13,500 B.t.u. per pound; 85 percent of the coal is carbon; the flue gas contains 7 percent CO₂; the flue gas temperature is 600 degrees F, and the temperature of the air entering the furnace is 75 degrees F. What is the heat loss up the chimney due to low CO₂ and the temperature rise of (600 degrees minus 75 degrees) 525 degrees F?

Applying the chart, the dotted lines show the solution of the problem as follows: Run a straight line through the 13,500 B.t.u., column A, and the 85 percent carbon, column B, and locate the intersection in column C. Then run a line through that point in column C and the 7 percent CO₂ in column D, locating a point in column E. Trace a line through that point in column E and the 525-degree difference, col-

lumn F, and the intersection with column G shows the fuel loss to be 27.7 percent.

Assume furnace conditions are improved to the extent that CO₂ becomes 12 percent and flue gas temperature is reduced to 500 degrees F. The temperature of the air entering the furnace is still 75 degrees F, hence the "difference," column F, is 425 degrees.

Applying the chart, the same point in column C is located as already indicated. Then run a straight line through that point and the 12 percent CO₂ in column D, locating a new point in column E. Then from this latter point run through the 425 degrees in column F and the fuel loss, as indicated in column G, is found to be 13.7 percent.

Obviously now, the saving in fuel due to improvement in conditions is the difference between the two losses as computed above: 27.7 percent minus 13.7 percent = 14 percent saving.

Gravity, Vacuum and High-Pressure Return Pipe Sizes

Condensate Capacities Ib./hr.

Condensate Velocities ft./sec.

Pipe	Grav	ity	Vacue	um				tigh P	ressure R	leturn-	-Steam	Supply	Press. i	in Lb.	Gauge			
Size	Retu		Retu		15		2.5		40		50		75		100		12:	5
	Cap.	Vel.	Cap.	Vel.	Сар.	Vel.	Сер.	Vel.	Сор.	Vel.	Cap.	Vel.	Cop.	Vel.	Cap.	Vel.	Cap.	Vel.
34"						-	240	.29	285	.34	310	.38	370	.44	420	.50	480	.5
	200	.15	295	.22	405	.3	475	.35	565	.42	610	.45	730	.54	840	.62	975	.7
11/4"	395	.17	610	.26	840	.36	1040	.43	1195	.51	1285	.55	1520	.65	1730	.74	2040	.8.
1 1/2 "	570	.18	955	.30	1350	.43	1610	.51	1880	.59	2070	.65	2380	.75	2675	.84	3180	1.0
4.	1100	.21	2000	.38	2840	.54	3300	.63	3940	.75	4250	.81	5100	.97	5680	1.10	6700	11.3
3"	1720	.23	3225	.43	4720	.63	5540	.74	6510	.87	7110	.95	8400	1.12	9400	1.29	11000	1.4
	2880	.25	5400	.47	8060	.7	9900	.86	11600	1.03	12900	1.12	15200	1.32	17400	1.51	19800	1.7
31/2"	4300	.28	7900	.51	12100	.78	14700	.95	17600	1.14	19400	1.25	22500		26000	1.68	29400	1.9
4"	6300	.32	10800	.55	16700	.85	20000	1.02	24400	1.24	27000	1.37	31900	1.62	36500	1.85	42000	2.13
5"	11000		19400	.62	31100	.98	38250	1.22	47000	1.5	51200	1.67	60800	1.94	69200	2.21	79000	2.5
6"	18000	.40	30600	.68	49000	1.09	60900	1.35	74000	1.64	82000	1.82	97000	2.16	112200	2.50	128000	2.8
pprox Hd. Loss t. Per 1000 Ft. "	.2	5	.75	5	1 1/2	2	2 1/	2	3 1/2		4 1/2		5 1/	4	8		91/	2

^{*2} ft. loss = 1 p.s.i.g. loss

Internal Boiler Treatment Chemicals for Scale Prevention

Name	Formula	Use	Advantage	Disadvantage
Sodium Hydroxide (Caustic Soda)	НОВИ	To establish alkalinity. To precipitate magnesium.	Contains no carbonate therefore does not favor formation of CaCO ₃ scale.	Removes only magnesium hard- ness. Alkalinity must be carefully controlled.
Sodium Carbonate (Soda Ash)	No ₂ CO ₃	To establish alkalinity. To precipitate hardness.	Low cost. More easily handled than caustic soda. See "Tannin."	CaCO ₂ forms scale. Na ₂ CO ₂ breaks down releasing CO ₂ with steam. Develops alkalinity. Must be con- trolled like caustic.
Sodium Silicate (Water Glass)	No ₂ SiO ₃	"Boiler metal coating."	None	Will actually form scale.
Sodium Aluminate	Na ₂ Al ₂ O ₄	Precipitates calcium and magnesium.	None	High elkalinity. Analcite type scale.
Sodium Phosphate	NaH2PO4 NaHPO4 Na2PO4 NaPO3	To precipitate calcium.	Calcium phosphate is least adherent of crystalline precipitates.	Finely divided Ca ₃ {PO ₄ } ₃ favors carryover. If fed continuously will cause feed-line deposits.
Tannins and Lignins	Organics of varying constitution	Prevent feed-line deposits. To coat scale crystals to prevent adherence.		No control. Inert with respect to hardness removal. Breakdown un- der heat.
Starch	(C ₆ H ₁₀ O ₅) x	ditto	Some slight success due to slimy coating.	ditto
Reactive Colloids	High malecular weight organic complexes. Sodium mannuronate	To provide fluid sludge. To minimize carryover.	Actual reaction with calcium and magnesium. Marked adsorption effect on crystalline precipitates.	No direct control.

Source: W. H. Betz and L. D. Betz

Table of Factors

For Determining Trap Capacities at Reduced Pressures

Minim									Maximu	n Oper	ating	Pressure							
Press	-	5#	10#	15#	20#	30#	40#	50#	60#	70#	80#	90#	100#	125#	150#	200#	225#	250#	300
1/10	lb.	.14	.10	.09	.08	.07	.06	.05	.05	.05	.04	.04	.04	.04	.04	.03	.03	.03	.03
1/4		.22	.16	.14	.12	.10	.09	.08	.07	.07	.07	.06	.06	.06	.05	.05	.04	.04	.04
1/2	lb.	.32	.22	.19	.17	.14	.12	.11	.10	.09	.09	.08	.08	.07	.07	.06	.06	.05	.05
1	lb.	.45	.32	.26	.23	.19	.17	.15	.14	.13	.12	.11	.11	.10	.10	.09	.08	.08	.08
2	lb.	.63	.45	.36	.33	.27	.23	.20	.19	.18	.17	.16	.16	.15	.13	.12	.11	.11	.11
3	lb.	.78	.55	.45	.40	.33	.29	.27	.24	.23	.21	.20	.19	.18	.16	.15	.14	.13	.13
4	lb.	.89	.64	.52	.46	.38	.33	.30	.27	.26	.24	.23	.23	.20	.19	.17	.16	.15	.15
	fb.	1.00	.71	.58	.52	.43	.37	.34	.31	.29	.27	.26	.25	.23	.21	.19	.18	.18	.16
10	lb.		1.00	.82	.72	.61	.52	.48	.44	.41	.39	.37	.36	.32	.30	.27	.26	.25	.23
15	lb.			1.00	.85	.73	.62	.59	.56	.51	.48	.45	.43	.39	.36	.32	.30	.29	.27
20	lb.				1.00	.83	.73	.66	.61	.58	.55	.51	.49	.44	.42	.36	.34	.33	.31
25	lb.					.91	.80	.73	.69	.65	.61	.55	.53	.47	.46	.40	.38	.37	.34
30	lb.					1.00	.88	.79	.75	.70	.66	.60	.59	.54	.50	.45	.42	.41	.38
40	lb.						1.00	.90	.84	.80	.76	.69	.67	.61	.57	.50	.48	.46	.43
50	lb.							1.00	.93	.89	.84	.78	.75	.68	.63	.56	.53	.51	.48
60									1.00	.93	.88	.83	.80	.73	.68	.60	.57	.55	.52
70	lb.									1.00	.94	.89	.85	.78	.73	.64	.61	.59	.55
80											1.00	.95	.91	.82	.75	.68	.66	.63	.59
90												1.00	.95	.87	.81	.71	.68	.66	.61
100													1.00	.91	.85	.75	.73	.70	.64
125														1.00	.93	.83	.80	.75	.71
150															1.00	.89	.86	.80	.75
175																.94	.92	.87	.81
200																1.00	.96	.90	.85
225																	1.00	.97	.90
250	lb.																	1.00	.93

Although a steam trap will operate at pressures below those for which it is designed, the capacity decreases with the fall in pressure. The table above gives correction factors for determining trap capacities at reduced pressures. Locate the normal operating pressure in the top line; follow down this column to the reduced pressure desired. The point of intersection shows the correction factors; multiply the normal trap capacity by the correction factor, and the product

is the trap capacity under the reduced pressure, For example, if a trap designed for 225 pounds pressure delivers 1800 pounds of condensate per hour at maximum operating pressure, at 70 pounds pressure the capacity will be $1800\times.61$ (correction factor in this case) = 1098 pounds of condensate per hour at the reduced pressure. Excess condensate in heated equipment lowers the temperature.

Continued on page 106

Specifications for Fuel Oil

	Grade of Fuel Oil	% Water	Carbon Residue			Viscosity Saybolt	
Number	Description	and Sediment	on 10% of Sample	Ash %	Sulfur %	Universal at 100° F	Gravity A.P.I.
1	Distillate oil intended for vaporizing pot-type burners, some diesels	Trace	0.15	-	0.5	-	35 minimun
2	Distillate oil for general purpose domestic heating and for use in diesels not requiring No. 1 grade	0.10	0.35	-	1.0	40	26 minimun
4	A blend to give an oil for certain burner installations not equipped with preheating facilities	0.50	-	0.10	No limit	125	_
5	Residual type oil for burner installations equipped with preheating facilities	1.00	-	0.10	No limit	None set	-
6	Oil for use in burners equipped with pre- heaters permitting a high viscosity fuel	2.00	-	-	No limit	None set	-

Source: National Bureau of Standards

Sizes for Boiler Combustion Chambers

Method of Firing	B.t.u. Per Cubic Foot	Approximate Cubic Feet Required Per Hp.
Hand	50,000	1 1/10 cubic feet
Stoker	45,000	1 cubic foot
Oil	30,000	1 1/2 cubic feet
Pulverized Coal	20,000	2 1/4 cubic feet
Gas	30-35,000	1 1/2 cubic feet

In computing cubic contents of combustion chambers measure the depth to bridgewall for underfeed stoker and hand firing; the entire depth for pulverized coal, oil or gas firing and for spreaders or overfeed stokers. Width times height times depth will give the cubic contents. From the table, an oil-fired installation requires 1½ cubic feet of combustion chamber per horsepower, thus a 50 hp. boiler should have about 75 cubic feet of combustion chamber.

Steam-Line Suggestions

Choose pipe sizes large enough to provide for future expansion. It is more economical to select a somewhat oversized supply or return line from the start than to replace or supplement it at a later date.

Use a separate line for low-pressure returns. If both highand low-pressure traps discharge to a common return, back pressure from the high-pressure units may interfere with drainage from the low-pressure units.

Pitch return lines down, If the condensate must be elevated, then do one of the following:

1. Install an overhead return line where practical and where the lift, in feet, plus back pressure, is not greater than 25 percent of the initial steam pressure.

2. Install a floor-line return header pitching down to a lift fitting or water seal from which the condensate can be elevated vertically. For moderate lifts, back pressure caused by flash steam from trap discharge will elevate the condensate

3. Where condensate must be moved against excessive pressures caused by extra-high lifts or undersized return lines, have condensate drain to receiver from which it can be pumped. Back pressure caused by flash steam will assist in the pumping action.

Trap capacity is reduced 10 percent if back pressure is 19 percent of initial pressure. The loss is 50 percent if back

pressure reaches 75 percent of initial pressure. If high back pressure cannot be relieved, select traps on the basis of pressure differential rather than maximum steam pressure.

Steam-Line Sizes

Number of Presses	Size Steam Line
1-2	1/2 inch
3-4	¾ inch
5-6	1 inch
6-10	1 1/4 inches
10-14	1 1/2 inches
14-25	2 inches

Steam Temperatures at Various Pressures

Per Sq. in.	Temperature F*	Lb. Pressure Per Sq. In.	Temperature °F*
0#	212°	65#	312°
0#	227	70	316
10	239	75	320
15	250	80	324
20	259	8.5	328
25	267	90	331
30	274	95	335
35	281	100	338
40	287	105	341
45	292	110	345
50	298	115	348
55	303	120	351
60	307	125	353

* Fractional temperature to nearest integer.

Water boils at 212 degrees Fahrenheit or 100 degrees Centigrade. As the steam begins to form in a closed container the pressure rises and the temperature of the steam increases. Temperature of saturated steam varies directly with the pressure in the boiler. A press taking steam at 100-pound pressure will yield a surface temperature of 338 degrees Fahrenheit.

Temperature Scale Conversions

To convert degrees Fahrenheit to degrees Centigrade, subtract 32 degrees and multiply by five-ninths. To convert Centigrade to Fahrenheit, multiply by nine-fifths and add 32 degrees.

Useful Information

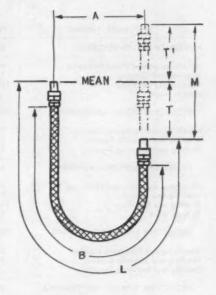
Flexible Metal Hose—Lengths and Minimum Bending Distances

Length of hose includes three factors: Bending Distance A, Travel of Hose M (T+T') and Coupling Factor C. With installation at minimum bending distance A and no travel, take length L from table. For hose subject to travel and installed at distance A, take L from table and add one-half travel when T and T' are equal; when they are not, add the larger. To calculate hose length independently, use following formulas:

Hose I. D. $\frac{1}{4}$ " to 2": Length = $2\frac{1}{2}$ A + C + T (use T or T' whichever is greater) Hose I. D. $2\frac{1}{2}$ " to 6": Length L = $1\frac{3}{4}$ A + C (no fravel)

HOSE I.D.	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"	1-1/4"
A	8"	10"	12"	16"	18"	20"	24"	26"
8	20*	24"	30"	38×	44"	50*	56°	62"
С	4-1/2"	5*	5-1/2"	6"	7*	7-1/2"	8*	8"
L	25"	29"	36"	dd.	51"	58"	64"	70"

HOSE I.D.	1-1/2*	2"	2-1/2"	3*	3-1/2"	4"	5*	6"
A	28"	30"	64"	72"	78"	84"	108"	120"
В	68*	72"	9' 6"	10" 4"	11'4"	12' 6"	18 FT.	18 FT.
С	9"	9*	9"	11"	-	-	-	-
L	77"	81"	10 FT.	11' 6"	-	-	-	-

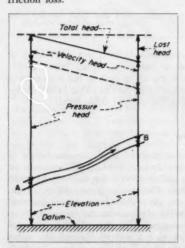


Source: Packless Metal Products Corp.

Pipes

Pressure head may be looked on as the force the fluid exerts against the walls of the pipe. It is the only part of the total head shown by a pressure gauge, Pressure head, in feet, equals 0.433 times the pressure, in p.s.i., divided by the specific gravity of the fluid.

Pipe friction. Commercial pipes aren't smooth, so some of the fluid's energy is wasted in friction. Thus in flow from one point to another there is always a loss of head due to friction. We should, therefore, restate the general rule as follows: When a fluid flows from one point to another, the sum of the elevation, velocity and pressure heads at the second point is equal to the total head at the first point, minus friction loss.



The sketch illustrates this rule. Fluid flows in pipe of constant crosssection from point A to B. At A it has elevation head, pressure head and velocity head as indicated. Since section doesn't change, velocity is constant and there's no change in velocity head. Point B is higher than A, so elevation head increases. Pressure head at B is much less than at A, because part of it has

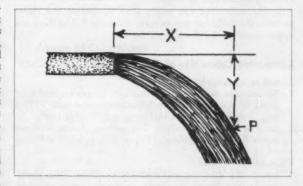
been used in lifting the fluid from A to B and thus shows

up as elevation head B. Also, part of pressure head has been used in overcoming pipe friction. The difference in total head between A and B is head lost to friction.

Flow of Liquid Without a Meter

Rule: Measure the internal diameter of the pipe in inches and "square" it. Thus, if the internal diameter is 2 inches you will have $2\times 2=4$. Then multiply by the distance X in inches. Thus, if the distance X is 20 inches you will have $4\times 20=80$. Then multiply that by 2.56; this gives us 80×2.56 equals 204.8. Last, divide that by the square root of the distance Y. Thus, if the distance Y is 25 inches, the square root of 25 is 5. Dividing 204.8 by 5 we get 40.96 gallons per minute, which is the answer.

Note carefully that all measurements are in inches and not in feet, and the answer is always in gallons per minute.



A short cut that will make your work easy is to choose a point P that is down a distance 9 inches, 16 inches, 25 inches, or 36 inches, etc., because their square roots are 3,

Operating Cost Percentages

National Averages for 1957

1957 SALES VOLUME	Ali Plants	Under \$100,000	\$100,000 to \$150,000	\$150,000 to \$200,000	\$200,000 to \$250,000	\$250,000 to \$350,000	\$350,000 to \$500,000	Over \$500,000
NUMBER OF PLANTS REPORTING	(669)	(99)	(94)	(80)	(78)	(122)	(72)	(107)
Identifying, Assembly and Packaging	8.42%	6.44%	8.60%	8.91%	7.65%	8.10%	8.95%	8.20%
Washing and Cleaning	4.56	6.28	5.35	5.32	4.75	3.85	4.46	3.80
Finishing and Repairing	19.46	21.40	20.33	18.14	19.40	19.46	19.89	18.20
Outside Work	.30	1.97	.88.	.34	.30	.30	.26	.14
PRODUCTIVE LABOR—LAUNDERING	31.45	32.82	34.17	31.61	31.84	32.10	32.42	29.48
Identifying and Packaging Supplies	3.50	3.72	3.04	3.21	2.87	3.50	3.61	3.90
Washing and Cleaning Supplies	4.12	6.33	5.29	5.17	4.26	4.10	4.06	2.65
Finishing and Repairing Supplies	1.28	1.77	1.56	1.20	1.19	1.20	1.28	1.13
PRODUCTIVE SUPPLIES—LAUNDERING	9.51	11.00	10.22	9.37	9.58	9.37	9.81	8.57
Identifying, Assembly and Packaging	6.10		6.25	5.04	6.65	5.99	6.33	5.17
Washing and Cleaning	7.47		10.56	9.73	5.94	7.04	9.89	6.00
Finishing and Repairing	14.44		16.20	13.79	13.06	14.10	14.71	16.76
Outside Work	1.16	1.80	2.14	1.29	.58	.76	1.04	1.20
PRODUCTIVE LABOR—DRYCLEANING	28.65	28.61	32.40	28.70	27.40	27.77	27.51	28.18
	0.00			410	200		4.51	3.94
Identifying and Packaging Supplies	3.99 4.60	4.00	4.29	4.12	3.90	3.71	4.96	3.94
Washing and Cleaning Supplies	71	6.02	6.17	5.92	4.62	4.03	.56	.70
Finishing and Repairing Supplies	21		.87	.81	.90	.63	.30	./0
PRODUCTIVE SUPPLIES—DRYCLEANING	9.38	11.27	11.22	10.27	8.69	9.30	9.39	8.43
dentifying, Assembly and Packaging	7.70	6.78	8.02	9.04	8.22	7.33	8.38	7.74
Washing and Cleaning	5.02	6.76	6.30	5.67	4.32	4.64	4.81	3.77
Finishing and Repairing	17.47	22.65	18.27	17.63	17.49	18.44	17.40	16.55
Outside Work	.70	1.97	1.11	.52	.76	.53	.63	.57
PRODUCTIVE LABOR—TOTAL	31.30	34.26	33.34	32.77	31.84	31.16	30.89	29.00
Identifying and Packaging Supplies	3.55	2.67	2.80	3.22	3.00	3.61	3.69	4.01
Washing and Cleaning Supplies	4.00	5.56	4.58	4.50	4.20	4.07	3.44	3.00
Finishing and Repairing Supplies	1.07	1.28	1.28	1.02	1.07	1.03	1.04	.95
PRODUCTIVE SUPPLIES—TOTAL	9.50	10.69	9.95	9.62	9.54	9.39	9.32	8.59
Power Plant Wages	1.21	1.50	1.58	1.72	1.40	1.18	1.20	1.00
Fuel Power Plant	2.49	3.75	2.88	2.80	2.45	2.21	2.18	1.97
Repairs and Maintenance—Power Plant	.26	.48	.26	.30	.22	.27	.28	.21
Depreciation—Power Plant	.30	.43	.42	.32	.46	.27	.31	.20
Insurance—Power Plant	.05	.11	.22	.05	.05	.04	.04	.04
Purchased Power and Light	1.14	1.56	1.42	1.30	1.29	1.14	1.01	.81
TOTAL DIRECT POWER COSTS	5.00	5.97	5.60	5.76	5.45	4.60	4.74	4.26

4, 5 and 6 respectively. In that way it will not be necessary for you to refer to tables of square roots or to arduously extract a square root by longhand.

In the event that you might want to convert the above answer into cubic feet per minute, divide by 7.5 as there are approximately 7.5 gallons in a cubic foot.

Computing Capacities of Tanks and Jars

Square or rectangular

- To compute cubic contents multiply length by width by depth. For example, the cubic contents of a tank 10 feet long, 6 feet wide and 4 feet deep is 240 cubic feet.
- Since 1 cubic foot equals 7½ gallons, the tank above would hold 1,800 gallons, (7½ × 240 = 1,800 gallons.)

Cylindrical or round

1. Square the diameter and multiply by .7854. Then multiply by the length or depth to obtain cubic contents. Capacity of a cylindrical tank 4 feet in diameter and 6 feet in length is 75.3984 cubic feet, $(4 \times 4 \times .7854 \times 6 = 75.3984$ cubic feet.)

With 7½ gallons per cubic foot the tank would hold 565.49 gallons.

Note: When dimensions include both feet and inches or inches alone reduce all to feet or to inches before multiplying. If measurements are all in inches, the answer will be cubic inches. To reduce cubic feet to cubic inches multiply by 1728. (1728 cubic inches = 1 cubic foot.)

Water Hammer Cure

Water hammer is objectionable from the standpoint of noise which is undesirable to most workers. This noise is an indication that there is undue stress being exerted at certain fittings in the water line. This undue stress will overstrain the water piping so that it will rapidly deteriorate or fracture.

It is a simple matter to eliminate water hammer. Since water is relatively noncompressible, when the flow of water is abruptly stopped a shock passes back through the water to be absorbed by the metal of the piping system. To eliminate this, air is used as a shock absorber.

1957 SALES VOLUME	All Plants	Under \$100,000	\$100,000 to \$150,000	\$150,000 to \$200 000	\$200,000 to \$250,000	\$250,000 to \$350,000	\$350,000 to \$500,000	Over \$500,000
Rent—Building	1.91	3.29	2.35	2.57	1.87	1.70	1.57	1.39
Repairs and Maintenance—Building	.31	.40	.30	.24	.30	.30	.30	.40
Depreciation—Building	.57	.71	.61	.57	.60	.54	.47	.59
Insurance Property	.11	.26	.17	.12	.14	.11	.10	.07
Taxes—Real Estate	.47	.51	.43	.49	.63	.45	.47	.46
TOTAL BUILDING OVERHEAD	2.22%	2.98%	2.37%	2.25%	2.15%	2.16%	2.07%	2.02%
Maintenance Wages	1.13%	1.12%	1.13%	1.15%	.90%	1.15%	1.00%	1.20%
Repairs and Maintenance—Machinery	1.06	1.42	1.23	1.06	1.06	1.01	.96	.89
Depreciation—Machinery	2.38	4.01	3.00	2.72	2.65	2.34	2.12	1.97
Insurance—Machinery	.15	.37	.22	.23	.15	.12	.13	.08
Taxes—Personal Property	.37	.43	.30	,41	.37	.39	.31	.38
TOTAL MACHINERY OVERHEAD	4.70	5.29	5.10	5.05	4.50	4.56	4.55	4.50
ndirect Labor	.93	1.04	.50	.82	.79	1.01	1.06	1.02
Superintendence Plant	2.82	3.94	3.68	3.26	3.03	2.90	2.63	2.34
ndirect Supplies and Expenses	.40	.34	.44	.40	.41	.40	.37	.38
Compensation and Other Insurance	75	.76	.89	.90	.80	.75	.67	.65
Payroll Taxes	1.64	1.50	1.67	1.72	1.51	1.71	1.68	1.70
Vacation Wages—Plant	.91	.58	.68	.87	.81	.96	.85	1.06
TOTAL INDIRECT OVERHEAD	6.69	3.93	5.25	6.62	7.10	7.08	7.30	7.32
Delivery Salaries and Commissions	11.10	8.65	9.03	9.61	10.40	11.40	11.69	13.90
Agency Discount and Expense	1.58	2.00	1.73	2.80	2.04	.86	2.66	.81
Delivery Equipment Operating Expense	2.63	2.20	2.34	2.49	2.80	2.54	2.82	2.75
Depreciation—Delivery Equipment	.88	1.28	.98	.80	.90	.91	.73	.84
liability and Other Insurance Delivery	.40	.44	.40	.40	.34	.40	.40	.37
Store Salaries and Expense	3.23	2.70	2.10	4.51	3.63	3.33	3.11	2.76
Sales Promotion Salaries	1.36		.90	1.82	1.60	1.40	1.30	1.30
Sales Promotion Expense								
-Includes Advertising	1.82	1.50	1.72	1.83	1.50	1.80	2.12	1.90
Claim Adjustments	.61	.30	.43	.60	.51	.58	.70	.95
TOTAL SALES AND DISTRIBUTION EXPENSE	22.79	13.60	18.62	22.60	22.70	23.62	24.80	27.06
EAFENSE	22.5 4	13.00	10.02	22.00	22.70	23.02	24.00	1
Office Salaries	3.23	3.09	3.93	3.00	3.53	3.32	3.35	3.00
Office Supplies	.67	.69	.60	.57	.64	.70	.70	.70
Office Expense	.60	.66	.61	.52	.62	.60	.60	.61
Depreciation Office Equipment	.15	.10	.10	.15	.19	.20	.14	.17
Executive Salaries	4,40	6.63	5.42	4.52	5.61	4.24	3.31	3.46
Personnel Relations and Welfare	1.06	.50	.73	75	.93	1.26	1.13	1.35
Bad Debts	.11	.18	.14	.10	.10	.14	.07	.10
Shortages and Unclaimed Items Other Administrative Expense	1.40	1.44	1.40	1.55	1.32	1.41	1.37	1,40
One Administrative Expense	1.40	1,44	1,40	1.33	1.04	1,41	1.3/	1,40
TOTAL OFFICE AND ADMINISTRATIVE EXPENSE	11.57	8.87	12.05	11.24	12.71	12.12	11.55	10.93
TOTAL OPERATING COSTS	96.20	91.91	95.97	97.09	96.99	96.14	97.61	96.44
OPERATING PROFIT					1-4-			
(Before Federal Taxes on Income)	3.80%	8.09%	4.03%	2.91%	3.01%	3.86%	2.39%	3.56%

Source: American Institute of Laundering

A shock absorber can be made by placing a length of pipe 1 to 3 feet long in a vertical position as close as possible to the shut-off valve. The top of this length of pipe is fitted with a pipe cap. When the system is filled with water, air accumulates in this riser. Since air is compressible, the shock wave will pass through the water to the air chamber where it will be absorbed.

These air chambers will gradually lose the air due to its dissolving in the water. When such a system again starts to hammer, it is then necessary to drain the system at this point to allow the riser to again fill with air.

Commercial shock absorbers for elimination of water hammer are manufactured to accomplish this end. Some use a diaphragm to separate the air from the water chamber and others use a coiled tube. Such units do not lose the air and, therefore, will operate continuously without difficulty.

Discharge of Cold Water

Flow rated in gallons per minute for pipes of various sizes and water of various pounds of pressure.

Water		Pipe	Size	
Pressure	%-inch	1 ½-inch	2-inch	3-inch
15	16.09	83.6	173.5	486.8
20	18.54	100.0	203.0	539.0
30	22.63	122.5	246.0	660.0
40	26.22	141.2	287.4	759.0
50	29.3	157.8	313.2	847.5
60	32.1	173.0	352.2	930.0
70	34.95	187.0	380.8	1002.0
80	37.1	200.0	406.5	1072.5
90	39.39	211.8	443.0	1140.0
100	41.15	223.4	455.1	1200.0

Fur Section

Fur Conditioning

Precleaning

All coats accepted for fur cleaning should be closely inspected for rips, tears, and fragile or worn pelts. Any torn or worn seams should be repaired at this point of the operation. Take out any loose linings to prevent the cleaning compound from working under them. Moth damage, shedding or cracked hairs, and fugitive dyes (such as are sometimes found on blue and platinum fox) must be reckoned with during this first operation.

After inspection, each coat should be beaten and shaken to remove loose dust and hair, moths and larvae, as well as to fluff up the matted hair. This operation economizes on the cleaning compound because there is less loose dirt left in the coat for it to absorb. It also cuts down drumming time. Beating may be quickly accomplished in a vibrating chamber.

Sponge the lining of the garment with a cleaning solvent. This solvent must have properties that remove dirt, grease and most ordinary spots. Pour 1 pint into a shallow pan and then apply to the lining and rub vigorously with a sponge or brush. Where you have a concentration of dirt, wet down generously with solvent and then use a brush to work this dirt loose. About 3 or 4 percent of all linings are badly soiled and will have to be removed and drycleaned.

Drumming and caging

Put 1 to 5 pounds of absorbent into the drum for each coat to be cleaned. Also add 1 pint of cleaning solvent and one-half pint of water-base cleaning fluid for each coat. Absorbent materials and cleaning fluids should be completely mixed before coats are placed in drum. Place coats in drum and revolve for approximately one-half hour. This time may vary, depending on the coat's fragility.

After drumming, garments are placed in the cage and tumbled an average of 45 minutes. After caging, the garments are placed in the suction chamber of the vibrating table to remove any excess absorbent material. The garment is then placed on a worktable and both the lining and fur are blown with compressed air. If cleaning material has worked under the lining, open the seams and blow it out, but to avoid excess labor, keep seam ripping to a minimum. Use a mechanical beater in conjunction with compressed air to remove lint from curly fur such as Persian lamb.

Humidity in storage vaults

When there is a relative humidity of 65 percent or more in a storage vault, every article in the vault is in danger of being ruined by mildew. Mildew will grow in furs, rugs, and all cloth garments. Humidity of 52-53 percent is plenty for most situations. It is not generally known, but excessive humidity can spoil the fit of a fur coat, even if there is not sufficient humidity to cause mildew to grow. When humidity reaches a certain maximum, skins become soft and pliable and subject to stretching at the shoulders.

Glazing

Fur glazing is to fur cleaning what pressing is to drycleaning, A fur garment may be cleaned thoroughly, and yet will not look good until it has been glazed. Glazing may be accomplished either through the use of solutions or through mechanical means. Solutions used include potassium permanganate, Chinese elm bark soakings, alcohol, plain water, etc.

In recent years the use of steam irons, steam guns, and rotary irons has become popular for this purpose, and usually they do an excellent job with minimum labor. The method used, of course, must be suited to the particular fur being glazed. The steam-iron method is limited to cer-

Glazing Chart

Fur	Rotary	Steam
		
Beaver	•	
Civet Cat		
Coney	•	
Ermine		
Fitch	•	
OX		•
Guanaco		
Lamb, Persian		
Leopard	•	
Mink		
Mink, Jap		
Mink, Side	•	
Mouton	•	
Muskrat	•	
Nutria		
Ocelot	•	
Opossum, American	•	
Opossum, Australian		
Otter, Plucked		
Persian Paw		
Raccoon		
Raccoon, Sheared		
Seal, Alaska		
Seal, Hair	•	
Seal, Hudson		
Seal, Northern		
Seal, Tropical		
skunk		
Squirrel		
Wolf		
Wolverine		

Source: Walter Haertel Co.

tain types, such as muskrat, mink and coney, Beaver or mouton types and curly furs should not be steamed. The rotary iron is a grooved, revolving, heated iron which, when properly applied to fur, will straighten out the hair and produce a high sheen and silkiness.

Capacities of Fumigation Cabinets

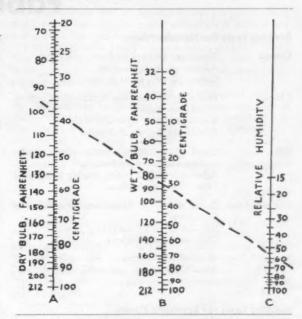
Inside Area (Cubic Feet)	Capacity (Number Fur Coats	
141	40	
219	70	
297	100	
375	130	
453	160	
531	190	
639	220	
717	250	

Fur Cleaning Classification

Fur	Drumming Time	Caging Time
WATER RODENTS		100 77 1000 7 200 1010 10 10 10 10 10 10 10 10 10 10 10
Beaver	1 hour	1 hour
Nutria	1 hour	1 hour
Hudson Seal	30 to 45 minutes	25 to 30 minutes
Muskrat	30 to 40 minutes	15 to 20 minutes
LAND RODENTS		
Rabbit		
Dyed Coney		
Lapin	30 to 45 minutes	30 to 45 minutes
Northern Seal Beaverette		
Marmot		
CURLY FURS		
Russian Caracul		
Black Caracul		45.44.0015
Chekiang Caracul Persian Lamb	20 to 30 minutes	5 to 10 minutes
Krimmer Lamb		
Krimmer		
THE BEAR FAMILY		
Raccoon Bear	1 hour	1 hour
bear		
HOOFED ANIMALS		
Pony	35 to 45 minutes	35 to 45 minutes
Kidskin	20 to 30 minutes	10 minutes
THE DOG FAMILY		
Fox	45 40	These fors usually
Wolf	45 to 60 minutes	used for scarfs. To
Coyole Chinese Dog	(bagged)	prevent breakage of buckles and eyes, do
Chinese Dog		not cage
THE WEASEL FAMILY		
Mink	30 to 40 minutes	30 to 40 minutes
Kolinsky	30 to 40 minutes	30 to 40 minutes
Fitch Fisher	30 to 40 minutes 30 to 40 minutes	30 to 40 minutes 30 to 40 minutes
Wegsel	30 to 40 minutes	30 to 40 minutes
Otter	45 minutes	30 minutes
Skunk	45 minutes	30 minutes
POUCHED ANIMALS		
American Opossum Australian Opossum	45 minutes	45 minutes
THE CAT FAMILY		
Leopard		
Ocelot		
Leopard Cat Lynx	30 to 40 minutes	25 to 30 minutes
Civet Cat		
ALASKA SEAL		
Safari Seal		
Black Seal	35 to 45 minutes	35 to 45 minutes
DELICATE FURS		
Galyak		
Chinchilla		Shake out by hand
Mole Squirrel	Hand-clean	or with a suction
Broadtail		work table
Barunduki		

Source: Walter Haertel Co.

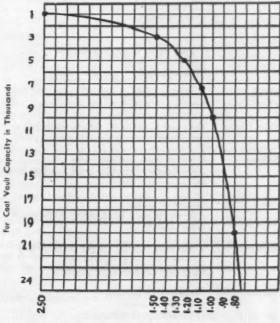
Gauging Relative Humidity



The accompanying chart makes it possible to gauge relative humidity quickly. Run a straight line through the dry bulb temperature, column A, and the wet bulb temperature, column B. The relative humidity is given at the intersection with column C. Thus, if the dry bulb temperature is 100° F and the wet bulb temperature 85° F, the dotted line drawn across the chart shows that the relative humidity, column C, is 54 percent.

The chart is based on a formula developed by the U.S. Bureau of Standards. Temperatures are given in both Fahrenheit and Centigrade

Approximate Cost of Vault Equipment



Cost Per Coat-Storage Vault Equipment

Source: Reliable Fur Storage Equipment Co., Division of Reliable Machine Works, Inc.

0

Fabrics

Burning Tests for Natural Fibers

Cotton: Burns quickly, yellow flame, smolders

Ash—gray, fluffy, floats off Odor—burning wood or paper

Linen: Burns rapidly but less rapidly than cotton,

smolders longer Ash—gray, very light and fluffy Odor—burning wood or paper

Silk: Small flame, sizzles, burns more rapidly than wool, does not smolder

Ash—shiny black beads, readily pulverized Odor—burning feathers

Silk, weighted: Burns slowly in flame, not after flame is

removed

Ash-skeleton of weighting glows

Odor-burning feathers

Wool: Burns slowly, sputters
Ash—black, gritty, pulverizes easily

Odor-burning hair

Burning Tests for Synthetic Fibers

Acetate: Melts before burning
Ash—hard black ball

Odor-pungent, burning rubber

Acrilan: Melts and burns with a yellow, smoky flame

Ash-very hard black ash

Odor-acrid

Aralac: Sizzles

Ash-black bead, readily pulverized

Odor-burning hair

Dacron: Burns in short jumps, melts

Ash-very hard, cream colored

Odor—pungent

Dynel: Does not burn, melts quickly; edge shrinks

back when flame is held close

Ash—hard, black Odor—pungent

Kodel: Melts and burns slowly

Ash—hard, light-colored bead

Fiber Glass: Does not burn, melts rapidly in flame
Ash—hard bead glows in flame

Nylon: Does not burn, melts in flame

Ash-light amber color bead, hard to break

Odor-sealing wax

Orlon: Melts and burns

Ash-hard black bead, sticky while warm

Odor-acrid

Rayon: Burns very rapidly, bright yellow flame

Ash—very little, gray, floats off Odor—burning wood or paper

Vinyon: Melts before burning
Ash—brittle bead

Odor-sharp, disagreeable

Vinyon N: Does not burn but shrinks, hardens and be-

comes brittle

Labels—What They Mean

Completely washable—This garment can be washed in a commercial laundry, or in a home washing machine, in hot water not to exceed 160° F, with soap or de-

to exceed 160° F, with soap or tergent, and bleaching agent.

Fully washable

This garment can be washed in a commercial laundry, or in a home washing machine, in hot water not to exceed 160° F, with soap or detergent. Do not use bleaching agents.

Wash in warm water Do not bleach

—This garment can be washed in a commercial laundry, or in a home washing machine, in warm water not to exceed 120° F, with soap or detergent, Do not use bleaching agents.

Wash by hand in lukewarm water Do not bleach

-This garment must be washed by hand. Use lukewarm water, not to exceed 105° F, with mild soap or detergent. Do not use bleaching agents. Press with hand iron.

Dryclean —For best results, garments so labeled should be drycleaned.

This uniform labeling program was designed as a guide for the laundering of men's and boys' shirts, pajamas and sportswear by six national manufacturing, retailing and textile maintenance groups, including the American Institute of Laundering.

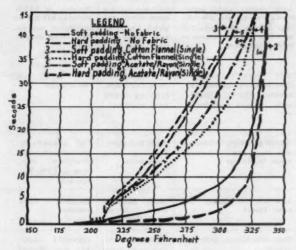
Recommended Finishing Ranges

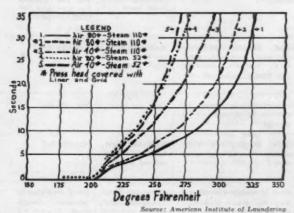
Fiber	March 10	Temperature			
Glass	Glass				
Linen		450-500° F			
Cotton Arnel		400-420° F			
Wool		350-370° F			
Silk Vicara	Silk setting	320-340° F			
Acetate Acrilan Crestan Dacron Nylon Orlon	Rayon setting	275° F Mox.			
Rayon Tefion Zefran					
Darvan Dynel Verel Vinyon	(Finish on heat-reducing press plate)	Under 250° F			
Permaion Saran Velon	CANNOT be finished				

Finishing Synthetics

Fusing, shine and stiffness are some of the objectionable results of pressing synthetic fabrics in the laundry. These results are exaggerated by subjecting the fabrics to hard padding, excessive mechanical pressure and high temperature.

Presses should be padded according to the manufacturers' recommendations. Padding should be checked frequently to avoid matting, to provide quick delivery of steam and vacuum. Be sure the cover and padding cover the buck completely.





Most synthetics require just a "kiss" of the press head. It should never be locked on synthetics. Important, too, is the release of the press head before vacuum is applied. New type press plates will help reduce the possibility of fiber fusing.

Pressure-reducing valves on the steam line will further minimize the danger of shine. They keep temperatures of the steam in line. Proper steam pressures are covered in Power Plant section of this issue.

Complete data on drycleaning are carried in the Annual Guidebook of our sister publication, The National Cleaner & Dyer.

Furlike Fabrics

In recent years man has learned to blend synthetic fibers that have all the appearance and advantages of natural furs and to make them available at moderate cost.

The most popular blend at the moment, an Orlon-Dynel deep-pile weave, is widely used in women's coats and is finding its way into fine bedspreads, throw blankets, baby-carriage covers, ear muffs, furlike collars, etc.

Carments made of Orion-Dynel are mothproof, mildewresistant and can be handled in the cleaning operation if proper care and precautions are observed. When these furlike fabrics first came out the manufacturers specified that they should be cleaned by the furrier method only. This method will produce a passable job. But since these coats are made of fiber, nothing surpasses drycleaning for getting them clean.

Identifying Orlon-Dynel

The pile of these coats is generally made up of 65 percent Orlon and 35 percent Dynel. Some brands have a woven cloth back made entirely of Dynel, This is true of "Cloud #9" and "Baronesa." Others use a knitted Dynel backing. These include "Borgana," "O'llegro," "Nutrana," "Furlana," "Beavalure," "Beavelon," "Sabelure," "Bevado" and "Mon Sal," among others.

These garments should not be regarded as "run-of-thewheel." They require special handling and deserve premium rates.

Cleaning procedures

Furlike coats will release their soil very readily under normal conditions, since they have a deep pile. A short cleaning cycle without moisture is in order. These coats will develop static. As a result they should be run by themselves, or with a light soft wool load, on continuous filtration,

The pile fibers will withstand the use of moisture. That isn't where the problem lies. Moisture affects the knit and woven back construction of the fabric. Just as in other coats of this construction, there is a tendency for shrinkage when moisture is used. If any moisture is used, it should be held to the barest minimum.

In the case of heavily soiled Orlon-Dynel coats it is well to soak the garments in an extra strong concentration of charged-system soap. A dip tank or barrel should contain up to a 10 percent solution of soap for this purpose. The soiled garments should be left to soak for about an hour. After draining they should be given the usual short run in the washer, in the normal concentration of charge. A clear rinse is beneficial.

These coats generally have linings of acetate. When the linings are badly soiled, they can be brushed with a moisture emulsion prior to regular cleaning. It can also be done just before the soaking operation described.

Extraction requires moderation, Too much extraction will cause hard wrinkles and creases to develop. Too little extraction can create uneven drying and resultant swales.

Drying is another critical factor in processing Orlon-Dynel fabrics. Good results have been obtained by tumbling the garments for 5 to 10 minutes in a cool tumbler, then hanging them to air-dry. Heavy wooden hangers are better for this purpose than the regular wire garment hangers.

Spotting suggestions

The use of high heat is out of the question so far as Orlon-Dynel is concerned and steam guns should not be used under any circumstance. The fibers may fuse and mat if exposed to excess heat.

Continued on page 116

CHARACTERISTICS

		COMPOSITION	MANUFACTURERS	END PRODUCTS	BURNING TESTS	SOLVENT TESTS
	ACRILAN	Coal, lime- stone, petro- leum, natural gas, water and air	The Chemstrand Corp.	Suits, dresses, socks, play- suits, sport shirts, infants' wear, blankets and furlike linings for coats	Melts and burns with smoky yel- low flame, leav- ing hard black bead	Not affected
Acrylle fibers	DYNEL	Natural gas, air, salt, water and limestone	Union Carbide Corp.	Suits, dresses, socks, under- wear, blankers and pile fab- rics. Drapes and industrial garments where resistance to acids is important	Will not support combustion; but shrinks, hardens and becomes black and brit- tle	Dissolves in 100% acetone, but not as rapidly as acetate. Gets tacky in seconds
	ORLON	Coal, lime- stone, petro- leum, natural gas, water and air	Du Pent Co.	Overcoats, suits, dresses, sweaters, shirts, blouses, socks, curtains and drapes	Melts and burns, leaving hard black bead	Not affected
Acrylle	CRESLAN	Coal, lime- stone, petro- leum, natural gas, water and air	American Cyanamid	Woven garments, knitted un- derwear and outerwear, home furnishings	Melts and burns, leaving hard black bead	Not affected by glacial acetic acid, chloroform, ace- tone or 88% for- mic acid
*	VEREL	Natural gas, air, salt, water and limestone	Eastman Chemical Products, Inc.	Sweaters (in blends with other fibers)	Melts, does not burn, forms black bead	Dissolves in warm acetane
Dinitrile	DARVAN (formerly Darlan)	Coal, lime- stone, petro- leum, natural gas, water and air	B. F. Goodrich Chemical Co.	Deep-pile fabrics, knit-wear, industrial	Melts and burns, leaving hard black bead	Generally insolu- ble. Not affected by acetone at room temperature
Alloy	ZEFRAN	Coal, lime- stone, petro- leum, natural gas, water and air	Dow Chemical Co.	Suits, dresses, sportswear, knit-wear, raincoats, outer- wear, blankets, carpeting, pile fabrics, industrial	Melts and burns, leaving hard black bead	Not affected
curbon	TEFLON	Natural gas, air, salt, water and limestone	Du Pont Co.	industrial uses where re- sistance to corrosion is im- portant	Does not burn	Not affected
Her	DACRON	Petroleum, nat- ural gas, air and water	Du Pont Co.	Suits, dresses, ties, shirts, sweaters, socks and uphol- stery	Melts and burns, leaving light- colored bead	Not affected
Polyester	KODEL		Eastman Chemical Products, Inc.	Used in blends with other fi- bers for wash-and-wear shirts, shorts, slacks, suits, dresses, etc.	Melts and burns leaving hard, light - colored bead	Good resistance to common solvents and cleaning agents
Polyamido	NYLON	Coal, air, water, petro- leum, corn- cobs, cotton- seed hulls and natural gas	Du Pont Co. The Chemstrand Corp. Allied Chemical & Dye Corp. American Enka Corp.	Hosiery, lingerie, sport clothes, socks, dresses, suits, curtains, sweaters, drapes, upholstery	Melts and burns, leaving light- colored ash	Dissolves in concentrated formic acid and xylenol
Vinyl	SARAN VELON VINYON HH	Petroleum and salt	The Saran Yarns Co. Dow Chemical Co. Firestone Tire and Rubber Co. American Viscose Corp.	Carpets, draperies, curtains and upholstery fabrics	Melts, does not burn, leaves dark bead	
Mineral	FIBER GLASS	Sand, lime, bo- rax and clay	Owens-Corning Fiberglas Corp. Pittsburgh Plate Glass Libbey-Owens-Ford Glass Glass Fibers, Inc.	Carpets, draperies, shower curtains and casement cloths	Forms molten bead which can be pulled from fabric, Bead in flame becomes red hot	Rust remover will dissolve it

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METHODS OF HANDLING

MAY BE TREATED AS	DRYCLEANING	WETCLEANING	SPOTTING	IRONING TEMP	. FINISHING	
Orlon, Dacron	Withstands usual drycleaning processes	Withstands usual wetcleaning processes	Not damaged by common spotting solvents	260° F	Use hothead press on "acetal setting to avoid yellowing or shit Set creases carefully as they a semipermanent	
	Withstands usual drycleaning proc- esses. Do not tum- ble. Aftracts grease in load	Withstands usual wetcleaning proc- esses	Dissolves in ace- tone but this is rarely used in spotting	Up to 250° F considered safe Softens at 275° F	Avoid stiffening and fusing by pressing on gridhead press, finishing on covered puff irons, Extremely sensitive to heat	
Acrilan, Dacron	Withstands usual drycleaning proc- esses. Do not tum- ble fleece	Withstands usual wetcleaning processes	Not damaged by common spotting solvents. Behaves like cellulose ace- tate rayon	300° F-320° F	Use low rayon setting; avoid pi longed heating. Permanent plet should be touched up. Use grid-head press	
Orlon, Acrilan	Not affected	Withstands usual wetcleaning processes	Not damaged by common spotting solvents	Sticks at 450° F	Use grid-head press	
Dynel	Not affected	Withstands usual wetcleaning processes	Not damaged by common spotting solvents	Less than 300° F	Use heat-reducing press plate	
Orlan, Dynel	Not affected	Withstands usual wetcleaning proc- esses	Not damaged by common spotting solvents	Sticks of 340° F	Do not steam or press pile fabric	
Orlen	Not affected	Withstands usual wetcleaning proc- esses	Not damaged by common spotting solvents	Sticks at 490° F	Use grid-head press	
PI I III	Not affected	Withstands usual wetcleaning processes	Not damaged by common spotting solvents	Sticks at 400° F	Use grid-head press	
Acrilan, Orlon	Withstands usual drycleaning processes	Withstands usual wetcleaning proc- esses. Does not remove pleats	Not damaged by common spotting solvents	Acetate setting Melts at 480° F	Crease put in with hot-head pro only removed by grid-head press	
	Withstands usual drycleaning processes	Withstands usual wetcleaning processes		Up to 425° F		
	Withstands usual drycleaning proc- esses	Withstands usual wetcleaning processes	Not damaged by common spotting solvents	275° F Melts at about 480° F	Finish on "acetate" setting. Use grid-head press	
	Not recommended: chanical action of w tumbler. Caution: form permanent cre	rasher, extractor or material tends to	Can be cleaned with damp cloth or spotted with steam gun	Will not stand 212° F Softening point 240° F-280° F Melts at 170° F	Steaming on press will cause it shrink excessively. Can't be stretched. Most items will not require finishing	
	Do not dryclean. Does not with- stand usual dry- cleaning processes	Use only minimum mechanical action. Do not wring, ex- tract or tumble	Printed fiber glass may bleed in cleaning solvent	Strength begins to decrease at 600° F	No finishing is required. May be cabinet-dried	

Chemically speaking, both Orlon and Dynel will withstand all of the common spotting chemicals and stain re-

moval offers no problem.

This is a pile fabric, just like velvets, and must be handled as such. When working on the wet side, brush the stained area with the grain of the pile. Do not use the brush in a circular motion. The pile will become snarled or matted. A towel can be used to pick up any excess moisture, And a short run in a cold tumbler will help raise the pile.

Wetcleaning advice

Wetcleaning involves some risk from a fabric construction standpoint. If an occasional garment is very badly soiled or stained it is suggested it be soaked out in tepid water and a neutral wetting agent.

After such soaking, the garment should then be brushed with a soft bristle brush with the lay of the pile. Then rinse well by holding the garment with the hands in a basket grip. Extract lightly, cool-tumble and hang to air-dry.

Finishing techniques

Some of the greatest problems plantowners have with Orlon-Dynel stem from improper finishing methods. The finishing of these coats is a radical departure from ordinary pressing methods. They have no more place on the steam presses than have fur coats. In fact, some of the newer finishing techniques involve equipment practically identical with fur finishing machines. These units come in a wide range of prices to conform with the needs of even the smallest plant. One method involves the use of only a spray gun to apply a silicone film over the fabric. If you don't have these special machines a steam-air finisher may be used with these precautions:

Do not steam more than 2 or 3 seconds.

Do not touch the garment in any way with hands or brush while it's on the finisher.

Do not fasten the coat in any manner.

Do not crush the pile.

In general, it is well to remember that it is better to do nothing to Orlon-Dynel in the finishing room rather than do too much.

Linings can be touched up in the conventional manner with a steam iron, but the iron should never touch the pile of the coat. Your best bet, of course, is to use equipment and supplies made specifically for finishing Orlon-Dynel.

A. I. L. Bulletins and Reports

Service Bulletins are published semimonthly by American Institute of Laundering, Joliet, Ill. They are available to members only and are included as part of membership dues.

Titles and order numbers of Service Bulletins are printed in Roman type, those of Special Reports in *italics*.

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A.I.L. Textile Notes

As products appear on the market that may prove troublesome or have an effect on any phase of laundering, the Laboratory Division of the production and engineering department of the American Institute of Laundering informs members through Textile Notes.

One complete set of Textile Notes is available to AIL members on request. Additional copies of one or several Textile Notes are available at the rate of 5 cents per copy. Special quotations on large quantities (200 or more) can be obtained by writing AIL's Membership Department, Joliet, Ill.

1. Unequal Shrinkage of Linen Damask Tablecloths
2. Deodorant Damage to Fabrics

3. Sunlight and Curtains

4. . . Chemical Damage to Fabrics
5. . . Color Fading and Chafe Marks
6. . . . Damage to Printed Fabrics

7. Mechanical Damage to Fabrics Color Fast-Red That Turns BlueIroning Temperature for Acetate RayonFingernail Polish—An Incendiary

11. Damage to Black-Dyed Cotton Fabrics 12. ... Cotton Fabrics Containing Paper Yarn—Not Washable 13. ... The Problem of Shrinkage of Textile Fabrics

.....X-Ray Developer Stains

. . Poor Launderability of Ramie Luncheon Cloths

16. Length of Life of Shirts Towel Shrinkage

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New Coveralls Require Special Care Celluloid Can Damage Fabrics Chemical Damage That Looks Like a Burn 21. 22. 23. Look for Termites as a Cause of Damage

24. How Home Starching Can Stain The Felting of Wool

26. Moth Damage to Wool Non-Skid Rugs—A Fire Hazard Cotton; What It Is; How It Launders Wool; What It Is; How It Launders 27. 28.

29. Viscose Rayon and Acetate Embossed Fabrics 30.

31. Hospital Linens Damaged by Timing Device Fabric Damage From Inflammable Buttons 32. 33.

34. Misuse of Household Bleach Causes Damage 35. Permanent Stays in Collars Can Cause Laundering

Finishing of Dynel Fabrics Creates Problems Home Bleaching Can Damage Resin Finished Fabrics 37.

. High Temperatures Damage Nylon-Cotton Fabrics . Resin-Type Bandages Will Stain Bed Linens . Clothing Requires Ample, Well-Made Seams . Some Wash-Wear Fabrics Create Problems 38 39.

Books for Launderers

Advertising That Builds and Holds Laundry Business. Starchroom Laundry Journal, 305 E, 45th St., New York 17, N. Y. \$1.00.

The Charged System Roundup. National Cleaner & Dyer, 305 E. 45th St., New York 17, N. Y. \$1.00.

Establishing and Operating a Laundry Business. U. S. Department of Commerce, Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C. 60 cents.

Fabric Facts. National Cleaner & Dyer, 305 E. 45th St., New York 17, N. Y. \$1.00.

Handbook for Route Sales Executives. By Fred DeArmond. Mycroft Press, 2115 Sherwood Rd., Springfield, Mo. \$6.00.

Hotel Textile Purchasing Guide. By L. A. Bradley. American Hotel Association, 221 W. 57th St., New York 19, N. Y. \$7.50.

How To Build a Greater Demand for Your Professional Laundry Services. Starchroom Laundry Journal, 305 E. 45th St., New York 17, N. Y. \$1.00.

How To Clean Cotton Rugs. National Rug Cleaner, 305 E. 45th St., New York 17, N. Y. 25 cents.

How To Train Finishing and Folding Operators in the Laundry. Starchroom Laundry Journal, 305 E. 45th St., New York 17, N. Y. \$1.00.

The Institutional Laundry As I See It. By Sister Mary Celeste, S.S.M., R.N. St. Mary's Hospital, 6420 Clayton Rd., St. Louis, Mo. \$4.50.

The Laundry Primer. Starchroom Laundry Journal, 305 E. 45th St., New York 17, N. Y. 50 cents.

Legal Decisions for the Drycleaner. By A, L, H. Street, National Cleaner & Dyer, 305 E. 45th St., New York 17, N. Y. \$2.00.

Manual for Training Silk Finishers. By Laura Herrmann Porter-field. National Cleaner & Dyer, 305 E. 45th St., New York 17, N. Y. \$1.00.

Manual for Training Wool Finishers. By Laura Herrman Porterfield. National Cleaner & Dyer, 305 E. 45th St., New York 17, N. Y. \$1.00.

Motivation: Making More People Want the Services You Sell. National Cleaner & Dyer, 305 E. 45th St., New York 17, N. Y.

Graf. Moore Publishing Company, 48 W. 38th St., New York 18, N. Y. \$5.00.

Storage for the Drycleaner. National Cleaner & Dyer, 305 E. 45th St., New York 17, N. Y. 50 cents.

What's Happening in Coin-Operated Laundry? Starchroom Laundry Journal, 305 E. 45th St., New York 17, N. Y. \$1.00.

\$3000 prize winner in 1958... TROY-EQUIPPED DUPONT LAUNDRY hroom costs 30%



Actual Comparison Figures back up Mr. Witherspoon's Statement!

Every laundry where TROY machinery was called upon to replace other makes has shown a surprising production increase at far lower operating costs. The DUPONT LAUNDRY washroom is a good example. Here only five TROY washers are doing more for less than the original seven did. Only fuo 50" TROY Olympic extractors and one 50" TROY Minute Man extractor have taken the place of six old extractors. BUT — that's not all! not all!

WASHROOM COSTS DOWN 18% — Over a 3-month period in DUPONT LAUNDRY, total washroom costs here been reduced 10%—in spite of rising prices of washroom supplies.

40% LESS LABOR - Now

SAVES OVER 2500 GALS. FUEL OIL PER MONTH - Total

washroom supply costs now only 1.10%.

WASHING TIME CUT 42% — Down from 1 hour to 55 naturates while production has increased from 250 lbs. to 400 lbs. per operator per hour.

What TROY Machinery and TROY Planning did for this and hundreds of other laundries can be done for yours. Figures done't bit! It pays to choose TROY!

- TROY MINUTE MAN EXTRACTOR Ideal for handling diameters.
- TROY ELECTROMATIC WASHER Set dial edd supplies that's all! Electromatic washer centrol does the rext automatically.
- TROY ELECTROMATIC WASHER When washing cycle is completed, turn control dial to "spot" and cylinder automatically stops in position for unloading.
- TROY ELECTROMATIC WASHER Exclusive design of produces more efficient washing action.
- TROY OLYMPIC UNLOADING EXTRACTOR Co plotely eliminates manual unloading. Exclusive "center-stong" principle permits handling greater out-of-balance loads.
- THOY CLYMPIC UNLOADING EXTRACTOR Quiel "Y" belt motor drive, safety cover, automatic timer and stainless steel inner bastets are standard equipment.
- TROY ELECTROMATIC WASHER Features include staining their cylinder and shell, "V" belt motor drive, complate safety features.
- TROY ELECTROMATIC WASHER Built in five sizes 30" x 30", 30" x 48", 42" x 36", 42" x 54" and 42" x 84".

BACK IN SEPT., 1948. this TROY advertiseappeared in Starchroom Laundry Journal

ROW LAUNDRY MACHINER



A Fast Operating Team for any Laundry

The Challenge Conveyor-Loader handles a full 200 lb. load from a Notrux container half and loads it into the Drynamic in less than 5 seconds. The Conveyor-Loader moves about freely on special plastic tread wheels with self lubricated ball bearings. (Hydraulic "cakes" do not require conveyor-loader.)

Drynamic

Charcenge Pumbler

200 Pound (Dryweight) Capacity
Automatic Tumbler-Dryer

INCREASES Entire Plant EFFICIENCY

"Full Dries" Four 200 lbs. (dry weight) loads per hour. "Conditions" at Rate of 2400 lbs. (dry weight) per hour.

The "Drynamic" Tumbler* is expertly designed and engineered to fit into any laundry installation. The outstanding efficiency of the "Drynamic" helps speed up the entire laundry operation—it is a "natural" for the modern hospital.

For example, at 60% retention, a 200 lb. (dry weight) load of bath towels, blankets or bed pads will full dry in 16 minutes. On other fabrics, the Drynamic removes more than a gallon of water per minute. Because of its greater air volume, the Drynamic fluffs-up towels, pads, spreads, blankets, diapers, etc., a feature especially suited to the hospital Laundry.

REDUCES LAUNDRY GOODS INVENTORY

The "Drynamic" makes a little linen go a long way by speeding up the entire laundry processing. This is especially important with today's high costs and over crowded hospitals.

*Available Steam or Gas Heated

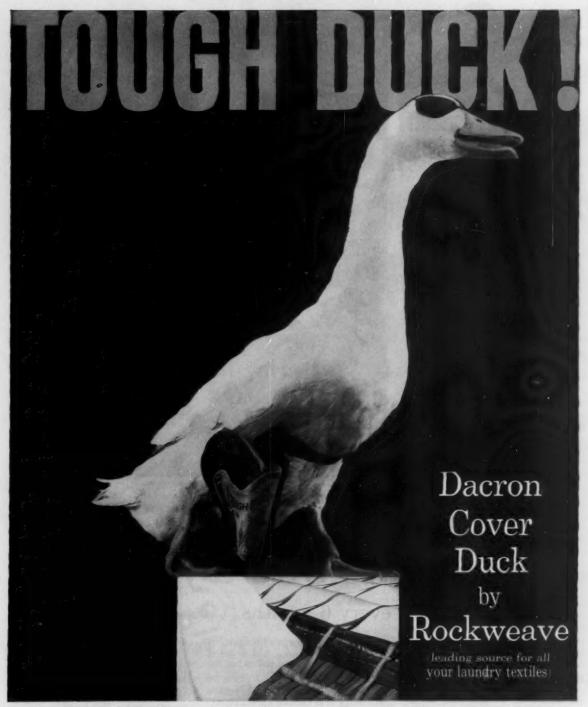


The "Drynamic" Challenge Tumbler and Challenge Conveyor-Loader are Manufactured By Challenge Manufacturing Co., 7400 E. Bandini Blyd.

Distributed exclusively by

THE AMERICAN LAUNDRY MACHINERY CO.

Main Office, Cincinnati 12, Ohio Branches Are Located In All Principal Cities



Engineered, tested, and proved for speedier, easier laundry production, perfect finished results.

Built to endure, this Dacron Cover Duck has greater strength where it is neededaround the roll. The tensile strength in the filling is greater than in any other cover. That's why no other cover can last longer. Prove it now for yourself!

To meet your heaviest work-loads, get longest wear with best results, save money, time, and labor...

> get ROCKWEAVE'S #1002 heavy Dacron Duck...the cover that means top quality and peak performance for you. This is the roll covering for ironer rolls that's specially constructed to be stronger, last longer than any other leading brand!





"Our National System

saves us 1,500 a year...

pays for itself every 6 months." - Utopia Dry Cleaners, Kearns, Utah

"Our new National Invoicing and Pricing Machine has eliminated costly errors caused by hand-written figures and mental addition, as well as greatly reducing the time required to handle our bookkeeping work," writes W. E. Christensen of the Utopia Dry Cleaners. "This increase in efficiency has resulted in an important reduction in our operating costs.

"We no longer need to audit each invoice because our National prints the description and cleaning charge for each garment received. Our National also provides us with a printed total on each invoice and a grand total of all invoices at the end of the day.

"By increasing our record-keeping efficiency and cutting operating expenses, our National System saves us more than \$1,500 a year, pays for itself every 6 months."

Shigher & Shrietener Mgr., of the Utopia Dry Cleaners

THE NATIONAL CASH REGISTER COMPANY, Dayton 9, Ohio

Your business, too, can benefit from the time- and money-saving features of a National System. Nationals pay for themselves quickly through savings, then continue to return a regular yearly profit. For complete information, call your nearby National representative today. He's listed in the yellow pages of your phone book.

*TRADE MARK REG. U. S. PAT. OFF.

ACCOUNTING MACHINES
ADDING MACHINES · CASH REGISTERS
HCR PAPER (NO CARBON REQUIRED)

DAN D. MAZZOLLA, INVENTOR OF D.F.S. SPIROLL SPREADER, BRINGS THE RESULTS OF 30 YEARS OF LAUNDRY EXPERIENCE

AND ENGINEERING TO

THE TRADE

SPIRAL YOUR PROFITS WITH SPIROLL

A NEW HIGHEFFICIENCY SPREADER

AT A DOWN-TO-EARTH PRICE!

You will cut your laundry costs and improve your profit picture when you install a SPIROLL Direct-Feed Spreader.* This new flatwork ironer accessory will amaze you with its compactness, its efficiency... and its reasonable cost! It will also give you increased ironer production with less labor.

The SPIROLL spreader consists of five spiral rolls and three aluminum-covered finger rolls. Flatwork, directly from the extractors with no preliminary "shake out," is tucked under the safety finger rolls and instantly spread by the SPIROLL spirals. Result: you eliminate the time-taking "shake-out" process, you save labor and speed production of your ironer as much as 30%.

In addition, you save floor space and consume practically no extra power. This is because the SPIROLL Spreader fits neatly in front of and is operated by your present ironer.

Results indicate the SPIROLL will soon be a "must" in every modern laundry. May we urge you to write for illustrated literature and get your order in while early deliveries are still possible. Also learn about the other SPIROLL accessories available for your laundry.

*Patent applied for



Only SPIROLL Direct-Feed Spreader offers all these ADVANTAGES

- Speeds production to 800 or more sheets per hour...
 and no hand shake out.
- Eliminates time-taking classifying . . . SPIROLL handles all sizes of flatwork.
- Saves floor space... fits snugly between ironer gear housings.
- Saves power . . . operates directly from your ironer.
- · Provides additional safety for any make of ironer.
- · Extends life of flatwork.
- · Readily installed on any ironer in less than an hour.
- · Unconditionally guaranteed for three full years.
- · Pays for itself out of savings in less than a year.



SALES CORPORATION

2464 RALEIGH DRIVE

YORK, PENNSYLVANIA

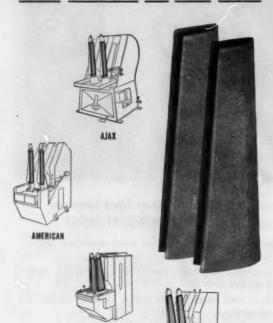
Kesillo MONELO and FLAMONEL

PADS



for maximum production, utmost economy and highest quality finishing from high production presses.

. . . the most perfect, permanent-type padding combination for all the upright and cabinet bosom-body and sleeve presses!



PROSPERITY











Engineered and developed

All pads designed and manufactured in exact accordance with press manufacturers' specifications. All are backed by the well known Resillo guarantee.

If you have the press... Resillo has the pad!

UNIPRESS

YOUR RESILLO TRAINED JOBBER WILL MAKE A FREE SURVEY OF YOUR PRESSES. CONTACT HIM NOW!

PAD CO. . 6950 N. CENTRAL PARK AVE. . CHICAGO 45, ILL



THE RIGHT DRYER IS THE

BIG BEAUTIFUL CISSELL 36"x30"

moves 1350 cu. ft. of air per minute for Fast Drying

Get drying at its best from the Cissell 36" x 30". Get all the features you want and need for 'round-the-clock service. Double walls add strength—keep heat in . . . controls are enclosed . . . maintenance is quick and easy . . . appearance and operation appeal to customers everywhere.

Cissell Gas-Fired or Steam-Heated Laundry Dryers: Double basket "Twin"; Single basket, 36" x 18", 36" x 30", 42" x 42", available with or without Coin Meters. Cissell Drycleaning Dryers: Single basket, Steam-Heated only.

W. M. CISSELL MFG. CO., INC., LOUISVILLE 1, KY.
Pacific Coast Office: 4823 W. Jefferson Bird., Los Angeles. Fernign Distributors
write: Expert Dept.—Cable Code "CISSELL"



*Large basket shaft in Gear Reducer, supported by Timken Bearings—15 year life expectancy under continuous 40-hour week operation!

Consult Your Jobber

CISSELL

DOUBLE YOUR FLEET LIFE

WITH

Long-Life DIVCOS!

Replacing worn-out delivery trucks every 5 or 6 years is a big waste of money. We deliberately build DIVCOS to provide long, economical, trouble-free service for 10-15 profitable years. If you expect to stay in business that long, you should slash fleet costs drastically by ordering Long-Life DIVCOS.



DIVCO TRUCK DIVISION - DIVCO - WAYNE CORP., DETROIT S, MICHIGAN

New System reduces bookkeeping time 75%

Tickets are photographed by pressing a button on Recordak Junior Microfilmer. One girl handles the bookkeeping and photographs tickets for plant-store and three branches as part of daily job. em ang

Howards' laundry and dry cleaning firm, Birmingham, Ala., saves upwards of \$4,000 per year by taking pictures of tickets instead of keeping a written record.



As owner Charlie Howard points out—all the new system calls for is a low-cost Recordak Junior Microfilmer, an adding machine, and a part-time bookkeeper.

Just list the ticket charges on the adding machine and enter totals in general sales

ledger. Then photograph the tickets and the tapes in your Recordak Junior—nothing could be easier, faster. You can photograph up to 40 tickets in a minute for approximately 3¢.

One girl, as part of her daily job, handles all the tickets for Charlie Howards' plant-store and three outlets. She simply presses a button on the Recordak Junior and gets a photographically complete record instantaneously.

Service to customers is also much faster-no longer

are completed orders held up waiting for tickets to be transcribed!

Write today for complete details on this new system and the Recordak Junior Microfilmer (with built-in film reader), which you can buy for as little as \$550. Low-cost rental plan also available.

"Recordak" is a trademark

TRECORDAK

(Subsidiary of Eastman Kodak Company)

originator of modern microfilming now in its 31st year

MAIL CO	UPON TODAY	·
RECORDAK CORPORAT 415 Madison Avenue, New Y	7-0-0	F.F10
Gentlemen: Please send for and dry cleaner savings w		
Name	Position	
Company		
Street		
Cia	Ç	

Linen Suppliers are RISING TO NEW HEIGHTS



Why? Because Angelica, a member of the Linen Supply Association since its founding in 1917, has bent over backward to give suppliers top quality products, fast, efficient service, all-out co-operation to help keep this rapidly growing industry "flying high."

Angelica warehouse stocks include a complete line . . . herringbone and twist twill industrial uniforms, professional uniforms, utility garments, high style dresses, coats, and pants . . . all available for immediate delivery.

Angelica's Linen Supply Line offers top quality materials and workmanship in economy-priced garments that can be serviced

Angelica-sponsored ads of linen service appear in leading trade iournals.

Angelica sales aids are furnished to suppliers for their routemen.

Angelica's national sales force, with representatives in fifty major cities, is trained to work with suppliers . . . to keep an ear to the ground for new linen supply prospects, and to refer these leads to their linen supply customers.

Consult your local Angelica sales representative, or write the nearest Regional Sales Office.

Angelica UNIFORM CO.

1427 Olive St., St. Louis 3, Mo.

107 W. 48th St., New York 36, N. Y.

177 N. Michigan, Chicago 1, III.

110 W. 11th St., Los Angeles 15, Calif.



DEVILS LAKE, N. D .- John Neis, owner of Ideal Steam Laundry, 523 First Ave., has opened a coin-operated laundry at 202 Fifth St.

BROOKS, ALTA., CAN.-G. D. King has established Brooks Laundry Ltd. at Cassils Rd.

PORTLAND, ORE.—A business li-cense has been issued William Pallay for establishment of a laundry at 1101 S. W. Jefferson St.

VANCOUVER, B. C., CAN.—Pioneer Laundry and Dry Cleaners Ltd. has opened a new drive-in at 1830 Marine Drive at Garden Ave. This is the firm's eleventh location.

PORTLAND, ORE.—La Verta and Herman Ebert have been issued a business license for operation of a laundry at 3583 S. E. 82nd Ave.

PULLMAN, WASH .- Del Rowland, owner of Pullman Laundry and Dry Cleaners and Drive-In Cleaners, has opened a self-service laundry in the Drive-In Cleaners Bldg., S. Grand and Stadium Way.

BROOKINGS, S. D .- A laundry will be established at 416 Fourth St., after the building has been remodeled. Owners are Warren Lundquist, Don Schoepp and George Hespad.



MONTREAL, QUE., CAN.-An addition is to be constructed at Star Hand Laundry Regd., 1467 Stanley St., owned by Charles Bell.

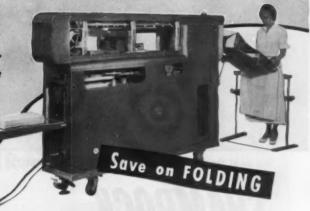
WILKES-BARRE, PA. - Dr. Samuel Rosenberg, head of the economics department at Wilkes College, was recently named chairman of the Laundry and Dry Cleaning Minimum Wage Board by the Pennsylvania Department of Labor and Industry. Employer representatives are

How to Reduce Your Production Costs Per Pound Per Hour...for MORE PROFIT

HYDRAFOLDER

Automatic Small Piece Folder...
Requires NO Size Adjustment

A completely universal, electronically controlled folder for hand or bath towels, pillow slips, napkins, diapers or other small pieces up to 24" x 48". Hand or direct feed from ironer operation. Folds at constant speed of 120 ft. per minute. Counts, stacks, ejects bundles in any multiple of 50. Accurately cross-folds to 1/32". Light weight, aluminum construction; completely mobile. Requires no lubrication. Virtually jamproof. Test-proved by over 16 million operations.



HYDRAXTOR

Fastest, Lowest Cost Extraction... Outperforms Any Centrifugal Type

Pays for itself over and over again. Lowest initial cost. Lowest labor, power, water and operation costs. Actually SAVES OVER 35% PER POUND PER HOUR ON EXTRACTION! Also saves on linens. Completely self-contained. Higher operating pressure. Faster and better extraction...greater output. Vibrationless and noiseless; can be installed anywhere in any plant without foundations or bolting.

STAINLESS STEEL

Greater Output in Less Space...

Saves Labor, Supplies, Power

Requires less supplies per pound of load and less labor per given load. Greater speeds...greater output per square foot of floor space...greater output per lineal foot! Easy loading and unloading. Produces more work than any other washer on the market, at less cost. All new from top to bottom. New doors, frames and trunnions. Sizes: 36", 44", 54", 60" diameter...any length.



Send for Complete Information on these "JOB-TESTED" Products...

The HUDRANTOR Company
7415 N. ST. LOUIS AVE., SKOKIE, ILL.



See us at the National Laundry Show, Chicago, Booths 765 & 766

SHAMROCK reliability and long wear are known the world over....

For over thirty years Meese craftsmen have insisted on top quality in Shamrock Canvas Baskets, Hampers, Trucks. In every Shamrock, you're assured of quality features that mean longer years of wear, extra economy. That's why you find Shamrocks in use the world over . . . paying for themselves in work-savings, time-savings! Ask your Shamrock jobber!

Top: Shamrock No. 19F Flat-Work Ironer Trucks in use at a large metropolitan laundry.

Below: Shamrock No. 22N Extractor Trucks and No. 19 Trucks are used here for shake-out work beside flat-work ironers, and for general utility.

Made by MEESE, INC., Office & Plant, Madison, Ind.

SALES OFFICES: NEW YORK-F. R. Tyroler, 55 West 42nd St., PE 6-0613; ATLANTA-W. E. Petway, 2577 East Densiey Dr., North Decatur, Ga., MElrose 6-3192; FORT WORTH-V. M. Hooton, 4220 Normandy Road, JEfferson 6-5564; WEST COAL-Peterson-Daniels, inc., 3311 Beverly Blvd., Montebello, Calif., Raymond 3-7003. Export Mgr.-R. A. Auerbach, Easton, Pa., Cable Address: "Natly."



Frederick W. McBrien, Philadelphia, Leo I. Shapiro, Pittsburgh, and Francis M. Wilkinson, Reading.

ALLENTOWN, PA.—Wilbur R. Heckman, assistant superintendent of Allen Laundry, Inc., has been named superintendent, it was anounced by C. Robert Bro-lerick, general manager. Mr. Heckman, who has been with the company for 30 years, succeeds the late Joshua A. Eckert, Carl J. Linberg, a graduate of the NID, has been named superintendent of the drycleaning department. He succeeds Robert B. Riddle, Jr., who was recently promoted to vice-president and general manager of Reading Laundries Inc., a MacIntosh affiliate.

BELLEFONTE, PA. — Richard M. Gunsallus and sons, Harold and Wayne, have taken over operation of Kent Laundry and Dry Cleaners on N. Water St. The establishment was formerly owned by the Fromm Dry Cleaning interests in Lock Haven.

ROCHESTER, N. Y. — Mechanics Laundry Co., 14 Glendale Park, Monroe Coverall Service, Inc., 555 Child St., and Nu-Way Overall Service Co. of Syracuse have merged into the Mechanics Laundry Div. of the American Linen Supply Co., Inc. General office of the new division is at the Glendale Park address with a branch office in Syracuse, Richard M. Block, president of the old Mechanics Laundry, is division general manager.

SPRINGFIELD, MASS.—Royce Superior Laundry, Inc., has purchased General Cleaning Co. and Westfield Laundry Co. of Westfield. The announcement was made by Bill W. Hamilton, president and treasurer of Royce Superior, and Irving C. Barnes, president and treasurer of Westfield. Founded in 1878, Royce Superior has branch stores in 13 locations.

GREENVILLE, PA.—A 60-by-60-foot addition has been constructed at Keystone Laundry & Dry Cleaning Co., Shenango and Wall Sts.

ROCHESTER, N. Y.—Saverio, Joseph and Tom Alesi, operators of Seneca Laundry Service, have opened two new self-service laundries, incorporated under the title of Speed-O-Wash. The new establishments at 385 Plymouth Ave., S., and at Joseph Ave. and Vienna St., are coin-operated.

GLOUCESTER CITY, N. J.—Benjamin B. Foster, president of Foster's Laundry and Drycleaning, recently addressed the Rotary Club of Palmyra-Riverton. Mr. Foster was elected district governor of Rotary International for 1958-59 at Rotary's 49th annual convention in Dallas recently.

MONSON, MASS. — A display by Peerless Laundry and Dry Cleaners, combining the most modern equipment

Now You Can Almost Double Your Sales Volume on the Same Investment with NEW FRIGIDAIRE



One will do the work of two!

With its exclusive 18-minute complete work cycle, one new Frigidaire Coin-Operated Washer handles almost as many loads per day as two old-type automatics.

You save on capital outlay – you save on floor space—turnover is speeded up, and your customers have far less waiting time.

What's more, the wash comes out cleaner, thanks to Frigidaire 3-Ring Agitation—and driest of all! So dry, that dryer time is cut almost in half. A cost saving for you—another timesaving for your customer.

No wonder operators are saying, "The Frigidaire washer is the hottest thing in our industry!" For facts, figures, case histories, call your nearest Frigidaire Distributor or District Office.



MR. E. A. MALL, owner of Coin-O-Matic Laundry, Louisville, Ky., rates Frigidaire tops on service, and says: "The 18-minute Frigidaire Washer cycle gives us a tremendous advantage — at least a 60% increase in production. That, combined with its drying spin, means a smaller investment in dryers. One thing more—our Frigidaire Washers send the lint right down the drain—no time out for cleaning lint traps as with other washers we have used."



FRIGIDAIRE



Built and Backed by General Motors



"We save time and do a better job when each buck has a perfect fitting press cover", says a plant superinlandent.

It's a money-saving fact . . "dress" your presses with covers that are "tailored-to-fit" and you will always produce quality pressing and fabric finishing.



STAD-SPUN and STAD-TEX PRESS COVERS are "Tailored-to-Fit"

STAD-SPUN covers—used on all presses, especially wearing apparel and shirt presses where a non-slip, non-stick cover is needed. Treated to assure longer wearing qualities.

STAD-TEX filament nylon covers—especially developed for sleeve, yoke and backer presses. Special weave for slickness without slippage. Heat and abrasion resistant.

Call your distributor—he will help you with your press maintenance problems. Or write for a "Glossary" that defines the various types and uses of STAD-SPUN and STAD-TEX Press Covers.



STADHAM

COMPANY, INC.

1825-31 N. 20th ST. PHILADELPHIA 21, PA.

with the antique was recently exhibited in the windows of the Monson Branch, Springfield Safe Deposit & Trust Co. Included in the display were several irons using different types of heat, one being heated in a fireplace, one burning charcoal in its base, one using natural gas and one gasoline. A 1905 electric iron and a deluxe 1878 model with interchangeable fluter completed the exhibit.

ELMIRA, N. Y.—C & K Laundry has opened Coin-O-Matic Laundromat, 413 Madison Ave. The establishment is under the supervision of Charles Mansfield of Perfect Service Laundry, also owned by C & K.

EAST ORANGE, N. J.—A parade and ribbon-cutting ceremony presided over by Mayor William O'Connell spotlighted the opening of the new Flair Laundry and Dry Cleaners, 405 Central Ave.



KNOXVILLE, TENN.—A new unit of Sanitary Laundry will occupy space in the Western Plaza, now under construction on Kingston Pike at Lyons View Pike.

WASHINGTON, D. C.—Reginald H. Pledger, president of Manhattan Laundry, has been appointed a group chairman of the United Givers Fund campaign for the Washington area.

GEORGETOWN, S. C.—Construction has begun on a new building to house a laundry at the Georgetown Memorial Hospital, it was announced by Ruth M. Puehler, hospital administrator.

DECATUR, ALA.—Industrial Towel and Uniform Service of Nashville, Tenn., has announced plans to open a plant on Second Ave. and Fourth St. The business is expected to be in operation before the end of the year. Owners of the company are Ben C. Cavalier, president, and Joe H. Barr, secretary-treasurer.

MIAMI, FLA.—Harry Singer, president of Money-Saver Laundries, Inc., has announced plans for establishment of a coin-operated laundry at N. W. 141st St. and Seventh Ave.

EDENTON, N. C.—John William Ricks has joined Ricks Laundry and Dry Cleaners, Inc., as vice-president, it was announced recently.

FORT LAUDERDALE, FLA.—Warren Laundry & Dry Cleaners were hosts at a recent Chamber of Commerce "Cof-



a good team for steam



This Yarway team has scored high—over a million installed on all types of steam equipment. Stocked and sold by 270 Industrial Distributors. For free Steam Trap Book, write Yarnall-Waring Co., 129 Mermaid Ave., Philadelphia 18, Pa.



fee Club" meeting in the Governors Club Hotel. The firm presented everyone who attended with clothes hampers.

MEMPHIS, TENN.—Construction has begun at 1830 Poplar to house the fifteenth branch of Loeb's Laundry-Cleaners, Half of the space will be devoted to a coin-operated laundry. The firm has two similar establishments at 3172 Summer and 2936 Poplar.

ST. PETERSBURG, FLA. — Michael Whitman is the new president of the Cleaners and Launderers Association of St. Petersburg. Other new officers are Jack Glidewell, vice-president; Calvin Rogers, secretary, and M. Glazier, treasurer. Members of the board of directors are Earl Carde, Tom Anderson, Walker Howard, Bert Watts and Art Balgeman.

HOLLYWOOD, FLA. — Rainbow Laundry, 930 N. Federal Highway, has been purchased by A. B. Tedeschi from James Austin.



QUITAQUE, TEX.—An open house was held recently at the newly constructed Quitaque Laundry, owned by Mr. and Mrs. Harry Bray.

SANGER, TEX. — Wallace Gillespy has purchased Sanger Steam Laundry from Mr. and Mrs. R. E. Gregory and plans to convert it into a coin-operated laundry. His son, Jerry, will be associated with him.

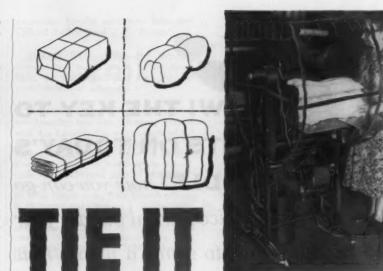
PARIS, TEX.—Neil Coker has purchased Ideal Laundry on Second, N.W., from Mrs. J. L. Brindley and Mrs. Roy Caviness. Mr. Coker was formerly office manager of the firm.

HOUSTON, TEX. — Ineeda Laundry & Cleaners, 720 Smith St., has purchased property at Center and Harvard Sts., to be used as its new location. Edward L. Bonoff, vice-president, said that the firm hoped to move into the new quarters by the first of next year.

EARTH, TEX.—Mitchell Laundry has been opened under the new management of Mr. and Mrs. J. C. McGuire.

FULLERTON, CALIF.—A business license has been issued to Clarence E. Devener for operation of a laundry at 703 W, Commonwealth Ave.

SOLVANG, CALIF.—Hans Petersen and Paul Christiansen, owners of Solvang



better, faster by machine

At leading Midwestern laundry:* Bunn automatic tying beats hand-tying 5 to 1...cuts direct labor costs 80%

Using tedious hand methods, the tying of some 300 linen service bundles used to be an all-day job for the worker you see above. Today, she does her tying on a Bunn Laundry Tying Machine. Result? Instead of 300 bundles a day, she now turns out 400 ... in a little less than 2 hours!

Fully documented, this 80% reduction in labor typifies the savings you may well realize with Bunn automatic tying. For a low cost Bunn Tying Machine is the modern way to streamline your tying methods.

Ties anything. Not just in packaging, but in production and storage as well does Bunn tying pay off. Toweling, shirt or blanket boxes, flatwork, bundles: yes, literally anything you now tie by hand can be tied neater, tighter—and up to 10 times faster—on a versatile Bunn Machine.

Operation is simple, positive... and completely safe. All you do is position the object to be tied, then step on a trip. In 2 seconds or less, your parcel is fully tied. And remember: the exclusive Bunn knot is slip-proof . . . can't come undone even with roughest handling.

Send today for full data on how Bunn automatic twine-tying can speed production and cut costs for you. Return the coupon below.

*Maiben's Laundry & Cleaning plant, Logansport, Indiana



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PACKAGE TYING MACHINES Since 1907

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Send today for this fact-packed booklet, which illustrates the many advantages of Bunn Tying Machines. Or let a Bunn Tying Engineer show you. No obligation.

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Name _____

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NOW! THE KEY TO FULL PROFITS ON TODAY'S

SMALL BUNDLE! now you can go after the piece-price partial bundle your customers want to send! a whole new system of modern laundry management, based on a new identification system...



Write for the lot control story

THE KEY-TAG CHECKING SYSTEM CO.

Key-Tag Lot Control combines the best of "pin and net" with selective full identification in a simple, foolproof plant-wide system. 100% mechanical check on everything—always. No human error. Cut identification help up to 40%. Use green labor. Train mark-in girls in 4 hours. Full nets—full wheel loads.

Laundry, held an open house recently at their new Solvang Self-Service Launderette, located next to the laundry on Copenhagen Drive.

GILROY, CALIF.—Exchange Linen Service of San Jose has purchased C&S Linen Supply, 220 N. Monterey St., from Charles Campanell and Martin A Stein.

SAN ANTONIO, TEX. — Reliable Launderers and Cleaners Association has adopted a seal to identify members, it was announced by Barney McDougall, newly elected president. Member plants have available the technical advice and laboratory service of both the American

Institute of Laundering and the National Institute of Drycleaning. Other officers of the organization are Glen Crow, vicepresident; Virginia Nesbit, secretary, and Bud Worthington, treasurer.

WOODVILLE, TEX.—A grand opening was held recently at Woodville Laundry by Otis Shelton, owner.

DUNCAN, OKLA. — Mr. and Mrs. Carland Knight, owners of Eighty-One Laundry, have purchased Snowhite Laundry, 111 N. 13th, it was announced by Lee McGehee. Mr. and Mrs. McGehee will continue to own and operate Snowhite Cleaners, 111 N. 13th.



MT. PLEASANT, MICH.—A grand opening was held recently at Chippewa Laundry, 917 S. Mission St., by William Lewis.

NAPOLEON, OHIO — Plans have been announced for the establishment of a laundry on Scott St.

URBANA, ILL.—Tom Snead, operator of Urbana Laundry, has opened a coin-operated laundry at 40 S. Broadway. Mr. Snead is also the owner of Champaign Laundromat in the Parkhill Shopping Center in Champaign.

ELDORA, IOWA — New equipment has been installed at the Eldora Ideal Laundry.

NEW CASTLE, IND.—New Castle Laundry and Dry Cleaners has opened its new plant at 2500 S. 14th St. The former plant on Race St. was destroyed by fire last spring.

MISHAWAKA, IND.—New officers of the Indiana Quick Service Laundry Association are Timothy Mills, president; Walter Barnett, vice-president, and Alexander Buczynski, 210 W. Third St., secretary-treasurer.

OHIO—Raymond Shubarts has been elected president of the Northeastern Ohio Institutional Laundry Managers Association. Other officers are Frederic O. Bent, secretary, and Clarence Taylor, treasurer.

GENEVA, OHIO — William Wilson and Don Caspell are the new owners of Geneva Laundry, located on E. Main St. The firm was formerly owned by Mr. and Mrs. Archie Dunn.

ST. JOSEPH, MO.—The city zoning board has granted Eldon Watkins permission to enlarge a building at 206 N. 22nd St. for establishment of a laundry.

BERLIN, WIS.—A modernization program has been completed at the office of Berlin Laundry and Dry Cleaners, owned by Al and Oscar Petruschke.

OBERLIN, OHIO—The building at 51 S. Main, occupied by the Oberlin Laundry and Dry Cleaning, has been



purchased by the operators, John and Clifford Loflin, from I. L. Porter.

BURLINGTON, WIS.—Dr. John S. Consoer has leased space in the Bazal Bldg. on Washington and Pine Sts. for establishment of a laundry.

EVANSTON, ILL.—Merger of the Nelson Laundry and Dry Cleaning System with Ace Laundry Co. was announced recently by A. B. Brown, president of the Chicago-headquartered Ace Laundry. Frank Keating, who has been associated with Ace, will become general manager of the new operation, which will be located at 1572 Maple Ave., with branch offices in Wilmette and Glencoe. J. Walter Nelson and Edward Otterstrom, officers and sons of the original incorporators, will be retained in advisory capacities. The Nelson Laundry and Dry Cleaning System name will be retained.

APPLETON, WIS. — Norman Ehle, operator of Northside Launderers and Cleaners, Uneeda Cleaners and Laundery, Valley Fair Cleaners and Launderers, Peerless Laundry and Dry Cleaners and Economy Dry Cleaners, has established Coin-o-matic Laundry at 204 W. Wisconsin Ave.

COLUMBUS, OHIO — A four-alarm fire at New Method Laundry, 73 N. Fourth St., caused damage estimated between \$150,000 and \$200,000. Owners of the firm are Darrell S. Jones, president; John H. Miller, vice-president and general manager, and Howard M. Deming, secretary-treasurer.

DETROIT, MICH.—A-1 Laundry has been opened at 679 Stimpson Drive by Dr. and Mrs. T. G. Lowe.

OXFORD, OHIO—An addition has been completed at Oxford Laundry, located on N. Poplar, it was announced recently.

MAYWOOD, ILL.—Charles P. Meyers has retired from the position of laundry superintendent at Hines Veterans Administration Hospital.

ROCHESTER, MINN.—The contract on school laundry was awarded to Lori's Laundry by the Rochester Public Schools Board of Education.

LSAA Regional Clinics

Sales, production problems and executive management are the featured topics of the 1958 series of four threeday regional clinics sponsored by the Linen Supply Association of America.

Clinics still to be held are scheduled for: October 29-31—Biltmore Hotel, New York; November 5-7—Claridge Hotel, Memphis; November 19-21— Statler Hotel, Los Angeles.

All clinics will have the same pro-



The Latex Strip With the Bulldog Grip

Grippo Trouser Guards hald trousers firmly and neathy on the honger during all plant handling and hame deliveries. Made of heavy kards beard with a coating of vulcanized latex along the center, they're bearest, most dependable, must accommical of all

® Red Strip for ordinary requirements

Blue Chip for heavy-duty use.



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PREVENT SLIPPING!



Build good will and increase business by using noslip, no-crease GRIPPO SHOULDER GUARDS. Plesticfoam and in self pastel colors and white to delight your faminine clients. They canvert plain wire hangers into useful accessories in seconds.

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BASE PADS for all make CABINET BOSOMS and SLEEVE PRESSES

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FOR INDUSTRIAL
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ALL STEEL WOOL FOR ECONOMY

KOMBI ALL IN ONE UNIT · SPONGE RUBBER DRY CLEANING PRESS PAD

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Proven throughout years of service to the industry, the Bulldog line assures long-wearing quality and maximum economy. Ask your jobber about the Bulldog line, or write us for complete literature and list of reliable Bulldog dealers.

X. S. SMITH INC. RED BANK NEW JERSEY gram. The sessions will give LSAA members an idea of what to expect at the Association's next Executive Management Institute. It will be held January 4-8, 1959, at East Lansing, Michigan.

LSAA Names Gilbert



WILLIAM S. GILBERT

The Linen Supply Association of America has appointed William S. Gilbert to its newly created position of director of research. The announcement was made by Samuel B. Shapiro, secretary of LSAA.

As director of research, Mr. Gilbert will be responsible for the research efforts of the LSAA Research Committee, whose chairman is Jack A. Quigley, president of Chicago Towel Company.

Mr. Gilbert was formerly executive vice-president of T. A. B. Engineers, Inc., where he worked with such client companies as General Electric, Swift, Dow Chemical, Illinois Institute of Technology and Bell and Howell.

Joint Textile Conference

Leaders of the textile industry have been invited to discuss with laundryowners the current trends in fibers and textiles at the American Institute of Laundering's Laundry-Textile Conference. The meeting will be held November 7 and 8 at the Statler Hilton Hotel, New York City.

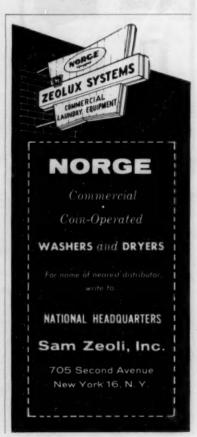
The meeting is an effort to bring about a better understanding of specific problems in the maintenance and production of textiles. The conference is expected to be of particular value to laundrymen - drycleaners because they will learn the washing-cleaning characteristics of textiles to be marketed in the near future.

One session will be devoted to wash-and-wear, and there will be a panel on each session for a questionand-answer period.

For Your Information...

Personnel Pointers: Hiring, training and supervision are the three main elements in personnel control. Practical suggestions on all three phases of an effective personnel program are given in Small Marketers Aid No. 35, a publication of the Small Business Administration. In small enterprises, the pamphlet points out, good personnel control may mean the difference between success and failure. Aid No. 35 is available without charge from the SBA, Washington 25, D. C., or any of its field offices.

"Self-Press" Hits TV: The latest (excuse the expression) wrinkle in promotion of "easy care" garments is a saturation television spot advertising campaign to introduce new wool-Dynel "self-pressing" men's suits. Scheduled to start October 6, the campaign will feature two 1-minute spots each night for four weeks over San Francisco stations, with local announcers giving visual demonstrations



of the wrinkle resistance and shapeholding qualities of the garments. The TV spots will be supplemented by the Roos-Atkins men's specialty chain by a coordinated program of newspaper advertising, direct mail, publicity, instore and window displays.

According to Ralph M. Sholl, executive of The House of Worsted-Tex, Inc., manufacturer of the suits, the Northern California promotion will set the pattern for introduction of the suits in other markets.

Out to Pasture: Four of five industrial leaders favor mandatory retirement and three out of four have it for executives, according to a survey of 162 industrial leaders by Dun's Review and Modern Industry. Four of five company presidents interviewed, averaging 55 years of age, have a successor in mind for their own jobs. Nearly half see retirement as an opportunity for new activities or careers and almost 2 out of 10 relish the prospect of reduced pressure.

Minimum Wage: New standards for New York State, effective October 1, set a basic hourly minimum at \$1.00 for 40 hours, with time-and-a-half thereafter. Minimum weekly wages are \$37.33. Part-timers, working under 30 hours, get \$1.05 an hour.

Labeling Law: New Textile Fiber Products Identification Act requires clothing, draperies, carpets, bedding and other household goods to bear labels showing the fiber content. Goods subject to the wool labeling act and certain other specific fibers are exempt. The name of the manufacturer or distributor is also required on the labels.

Iron Curtain Rug Cleaning: The Polish trade magazine Przeglad Pralniczy recently ran two articles on carpet cleaning. One, by Russian technologists, deals with hand cleaning. The other, by a Polish drycleaning technician, describes cleaning in the machine using benzene as solvent. The Russian author recommends the use of salt, sprinkled on the carpet and removed by brushing with a broom dipped in a boiling solution of soap. (?)

Unclaimed Garments: Another Polish publication, Pralniczy Punkt Uslugowy, dealt with the matter of unclaimed garments. After three months such articles are tabulated and put in special storage. Customers are notified and asked to pick up the garments within 10 days, after which 5 percent is added to the original charges for each extra day on which storage continues.

Change-Maker: An automatic changer that will accept dollar bills and provide change in quarters, dimes and nickels is ready for commercial use. The inventor says his machine does not accept foreign, counterfeit or dirty bills.

Home Washing: More than threequarters of American homemakers now do all laundering at home, according to a survey by the Home Makers Guild for the Owens-Illinois Glass Co. Eighteen percent send part of their laundry to commercial laundries; 4.1 percent take part to a neighborhood automatic laundry, while less than one percent send out all the family wash.

Wash-Wear Treatment: A low-cost, wash-wear treatment for cotton garments, developed by the Department of Agriculture, is said to be suitable for application by drycleaners using their present equipment.

Salt-to-Fresh-Water: A bill authorizing the construction of five experimental plants which would seek to convert salt water to fresh was passed by the House. Cost is \$10 million and each plant would explore a different process. VA Dropping Laundries: Some six of the more than 100 Veterans Administration hospitals which maintain their own laundry plants are accepting bids from commercial firms, with plans calling for all VA hospitals to follow suit.

Diaper Code: The diaper service industry has adopted a comprehensive code of basic responsibilities. It pledges the industry to work closely with doctors and hospitals, and points up a broad new program to meet customer, community and educational needs. Many diaper service plants are displaying the code.

More on Diapers: The National Diaper Service Industry Committee has announced a new health and educational program featuring a traveling exhibit available for shows and meetings throughout the country in the health and child care fields.

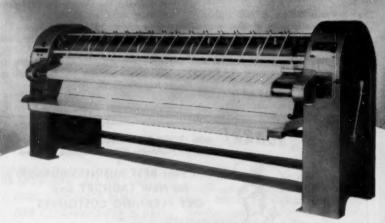
From Denmark: A program has been set whereby the Danish Technological Institute awards an Approved Laundry certificate to deserving firms. The Institute checks out all laundering materials, machines and methods, loss of tensile strength, etc., to insure that the individual's laundry practice conforms to top standards.



OR STATWORK IRONERS

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FLATWORK IRONERS



- CAPACITIES 100 TO 5000 POUNDS PER DAY
- GAS, STEAM OR ELECTRIC HEATED
- 60 INCH TO 120 INCH LENGTHS
- **QUALITY FLATWORK FINISH**
- LOW OPERATING COSTS
- SMALL FLOOR SPACE
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Contact your Machinery Distributor or Write for Literature Today



HOTELS







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Tarchroom First in the Laundry Industry Since 1893

Dupont Laundry, Washington, D. C.



Troy Laundry, Hagerstown, Md.

Our hats are off to DuPont and Troy Laundries whose progressive administrators have gained this nation-wide recognition for implementing hard-hitting sales programs with sustained success. (See August Front Cover)

Significantly, both of these plants use STA*NU the PRODUCT and the PROMOTION - as an important part of their formula for more sales

the PRODUCT that SELLS MORE DRY CLEANING!

FOR SALES

the PROGRAM that SELLS MORE DRY CLEANING!

in their dry cleaning departments.

If you want the best in quality finishing, the finest "packaged" promotions the industry has ever seen - and the expert guidance of STA*NU's Field Service Staff . . . if you want MORE DRY CLEANING SALES . . . why not see if a STA*NU Franchise is open in your town? Use this Coupon . . . today!



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Sta*Nu Corporation, Dept. S, 5101 N. Sheridan Road Chicago 40, Illinois

I am interested in a Sta*Nu Franchise. Send details. Have representative call

Name

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JUABO PADS XEESTAR THE AROBUCT

cash winners in
Starchroom Laundry Journal's
"Parade of Progress"
use one or all Keever
products — starches,
sours and Jumbo pads





SANI-SOUR

it's great to lead a parade

Keever congratulates the high-stepping sextette of money winners in the recent Starchroom Laundry Journal contest. Nice going, fellas.

With us, it's not only the money but the principle of the thing.

We're glad to be on your team. And we're happy not to have been a

judge because we know of thousands of other laundries using Keestar products, many exclusively, who are increasing sales, improving quality, cutting production costs.

So, we congratulate all our customers, too. You can't lose when you win customer satisfaction.

THE KEEVER STARCH CO. . GENERAL OFFICES . COLUMBUS 15, OHIO

Processors of corn, wheat and blended starches for industry since 1892



SALES

FIRST PRIZE . . . Dupont Laundry & Dry Cleaners, Washington, D.C.

John K. Witherspoon, Vice-President SECOND PRIZE . . . The Troy Laundry & Dry

Cleaning Co., Hagerstown, Md. John Philip Greene, General Manager

THIRD PRIZE . . . Boston Cleaners and Shirt Refinishers, Scranton, Pa.

Irving A. Spalding, Jr., Treasurer

PRODUCTION

FIRST PRIZE... Washington Laundry and Drycleaners, Evanston, Ill.

William B. Katz, President

SECOND PRIZE . . . Monarch Laundries, Inc., New Haven, Conn.

Marjorie A. Dobbs, Executive Vice-President

THIRD PRIZE . . . Sanitary Laundry & Dry Cleaning Company, Inc., Santa Åna, Calif. Robert L. Larsen, Vice-President

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not just in second floor operations, but . . .

IN YOUR OPERATION



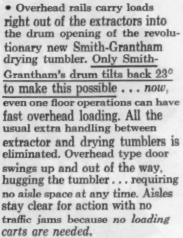
tilts back 23°

• Low pivot point tilts drum back 23° for fast "drop in" loading from monorail carried slings.

 Drum tilts forward and down for 8 second unloading, Patented basket projects beyond housing (no open space between revolving basket and stationary housing) so that material can't catch or tear while being unloaded

THIS TUMBLER DOES THE

WORK OF 3!



Other exclusive Smith-Grantham advantages include automatic operation through push button controls and dual purpose timer that protects starched goods - allows desired shake out time before heat enters basket - saves up to 20% in fuel costs during complete drying operations . . . lift up sampling window . . . top located burner that saves 20 sq. ft. of floor space usually needed when burners are located on the floor. No other tumbler does so much for you.

Available with Gas, Oil, Steam or Gas-Oil Combination Heat

Write or phone for details

"conditions 3,000 lbs. (dry weight) or completely dries 1,000 lbs. hourly. THE T. L. SMITH COMPANY Milwaukee 1, Wisconsin . Lufkin, Texas



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Since 1900, the pioneer designer and foremost

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PRIZE-WINNING PLANTS

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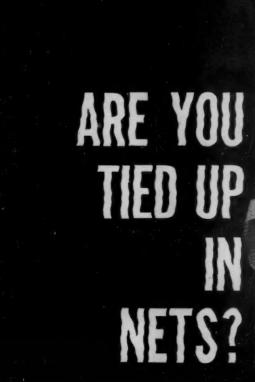
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ALM-577





DOES PINNING RIP YOUR NETS? DO SNAGS GIVE YOU PROBLEMS? NET REPLACEMENT COSTS GET YOU DOWN?

Don't take a tranquilizer—just ask your jobber to show you the Fablok Laundry or Cleaning Net best suited to your needs.

Fablok makes five completely different knitted designs, from heavy wide open mesh to a very close mesh. To simplify pinning, the close mesh net is manufactured with a special 5" pinning top. This top will not "chop up" after washings, it lasts as long as the NET.

Every laundry and cleaning plant has its individual problem in choosing a Nylon Net.

Fablok recognized this need and has designed nets to suit these requirements. Your jobber's salesman has a full line of samples of Fablok Nets and he can help you solve your problem. In addition, Fablok can custom-make any net in any special size or color.

You'll instantly recognize the many advantages of Fablok Knitted Nylon Nets over any woven nets on the market. NYLON KNIT from heavy 260-denier and 420-denier high-tenacity nylon to eliminate snags and runs.

Ask to see the Fablok line at your regular supplier or write to us for your nearest franchised jobber's name.

FOR THE FINEST NET, CHOOSE



46 CORDIER ST., IRVINGTON, NEW JERSEY

20 MINUTE CYCLE...

almost **DOUBLES** coin store income

Not only do Speed Queen users enjoy an agitator-type top loading machine, but with it, they enjoy a new 20 minute cycle, that almost doubles income and arctital.

The new Speed Queen 20 minute cycle is almost 50% shorter than other automatics thereby increasing the earning capacity of your laundry. The 20 minute cycle also altracts more customers as housewives too, appreciate the time saved. Best of all, the 20 minute cycle is accomplished without sacrifice of laundering efficiency.

In addition, Speed Queen provides an aerated "waterfall" inlet to speed soap dispersion, automatic removal of lint and soil laden scum through a Flotation Pre-Rinse; Automatic Sediment Ejector, and Over-flow Power Rinse plus many more features proven in over 4 million washers.

Additional Units in the Simplex Line include:

Stainless Steel Open End Washers . . . in 25, 50, 75, and 100 lb. sizes.

Drying Tumblers . . . with from 16 to 100 lb. capacities.

Extractors . . . in capacities of 10, 15, 25, 50, and 85 lbs.

Gas, Electric, or Steam Ironers . . . 48" Super Ironer for gas or electric; 56" Master Ironer for gas, electric, or steam.







EASY TO SERVICE

Without moving washer and removal of the front panel, you have access to electric motor, fluid drive, clutch, spin solenoid, agitator solenoid, pump, and belts. Removal of back panel provides access to transmission and removal of rear cross brace provides access to water mixing valve.



SIMPLE TRANSMISSION

Most dependable and trouble free transmission in any washer. 210 degree stroke. One gear and one pinion operate in a sealed-in supply of lubrication.



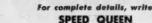
FLUID DRIVE

Eliminates starting shock on mechanism when power is supplied to spin tub. Smooth pickup of load eliminates wear.



DOUBLE BALL BEARINGS

Spin tube shaft is supported by TWO ball bearing essemblies top and bottom. Only Speed Queen provides this added strength for long life durability.



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Ripon, Wisconsin



". . . we have been in the boiler business

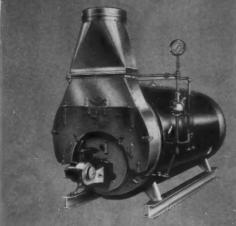
for nearly fifty years, and the only repair work we have ever done on a Leffel Scotch Marine Boiler has been due to human failing, and not to mechanical failure. The Leffel Scotch Marine Boiler is without a doubt the strongest and most trouble-free boiler built."

Mr. J. J. Bower, President J. J. Bower Company, Inc. Roanoke, Va.

No man is in a better position to judge boilers than the man who services and repairs all types and makes. It pays to listen to a man like J. J. Bower for his is the voice of authority and his words are backed by nearly a half-century of experience. In the brief statement above, Mr. Bower cuts away all the claims and promises of most of today's boiler advertising and tells you why you should rely on Leffel boilers for your steam requirements.

For more details on why you can count on rugged, reliable Leffel boilers for long life and dependable service, write today for your free copy of Bulletin 236.

5-1-56



Leffel Scotch Boilers can be fired with oil, gas or coal (with the Leffel underfeed stoker). If you later wish to change from one fuel to another, you can do so quickly, easily and economically. Leffel is not a one or two fuel

THE JAMES LEFFEL & CO.



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EFFICIENT GENERATION FOR 96 YEARS

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THE JAMES LEFFEL & COMPANY DEPT. S, SPRINGFIELD, OHIO

Please send me a catalog and other literature on Leffel Scotch

.City__

Please have your representative call.

Company_







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It's All Part of The Journal's Continuing Parade of Progress!

In this 1958 GUIDEBOOK ISSUE: you're reading the "how to do it" success stories of Dupont, Washington, Troy, Monarch, Sanitary and Boston.

We publish these stories to spread the formulas for increasing sales and improving production across the length and breadth of the big, important part of the laundry industry. We hope you find them profitable reading.

In the November issue: you'll be reading the success stories of the Cascade Laundry in Brooklyn, New York, and Kean's Drycleaners and Laundry in Baton Rouge, Louisiana. We hope you find these profitable reading too.

In the months ahead: we'll be publishing more success stories from a variety of locations. And they'll cover family laundries, linen supply companies, diaper supply companies, laundries in schools and hospitals!

In this complete, authoritative series, there will be plenty of material in the business interests of every JOURNAL subscriber.

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REVOMESH METALLIC PRESS PADS for finer laundry finish

REVOLITE is now prepared to supply and service a complete line of metal press pads of the highest quality . . . known as Revomesh. The full line of REVOLITE Asbestos Press Covers is the logical service partner for Revomesh Metallic Press Pads.

For those who require the ultimate in finish we offer two complete lines of Nylon Press Covers: Revolon made from spun Nylon cloth; and Nylotex made from continuous filament Nylon fabric.

The addition of Revomesh Metallic Press Pads expands the well-known Revolite service to laundries. Write for additional information or contact your Revolite representative.



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HERE'S A REMARKABLE OPPORTUNIT

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Why are they so successful? Coin-operated laundry stores offer customers up to a 65% saving over attended-type wash and dry service. They are convenient for busy people because they remain open 24 hours a day, seven days a week. They give customers a chance to do their own washing - their own way.

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Act now! Why not investigate this exciting new business opportunity today! Send the coupon below for full information. Complete data on business locations in your area and valuable help in all phases of planning, financing and promoting a coin-operated laundry store are available through local distributors.

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PHILCO CORPORATION

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Please send me information on Philo-Bendix Commercial Washers...also the name of my local distributor.

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This combination of National's air-operated DI-MARK and THERMO-SET Machines absolutely guarantees an indelible mark for the life of the marked piece. Pieces are marked with National's famous RESISTO ink. The mark is then heat-set for lasting legibility. Manually operated die machines are also available. Dies are ensigneered to meet your specifications and can be furnished with removable inserts for selective marking.

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Gentlemen: placed in the top winners us the "rarade of Progress" Contest
sponsored by Starchroom Laundry Journal . . . and we are glad sponsored by Starchroom Laumity , ournes ... and we are giad that we had the opportunity of playing a small part in your success.

Our part is supplying you with Prosperity equipment. For han 30 years, we have been producing laundry and dry cleanmore than yu years, we have been producing laundry and dry clean-ing equipment that has steadily advanced in design to help everyone improve quality production, and control, and lower costs, resultmore than 30 years, we have ing in increased profits.

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Harry G. Cooper General Sales Manages

P.S. For information about Prosperity products, drop me a line.

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- Washington Laundry & Dry Cleaners Evanston, III.
- Monarch Laundries New Haven, Conn.
- Sanitary Laundry & Dry Cleaning Co. Santa Ana, Calif.

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PROGRAM

New England Educational Clinic With Exhibit Laundry and Cleaners Allied Trades Association Mechanics Hall, Boston, Massachusetts, October 24 and 25, 1958

FRIDAY, OCTOBER 24

Morning

Afternoon

10:00 a.m.-6:00 p.m. Exhibit and demonstrations. Clinic on Sales. Conducted by Jack Lacy, national authority on sales.

Industry Panel. Application of Mr. Lacy's presentation by leading plantowners to sales promotion problems of the textile maintenance industry.

SATURDAY, OCTOBER 25

10:00 a.m.-6:00 p.m. Exhibit and demonstrations.

Roundtable Discussions of Industry

Drycleaning Section — Moderator, Herbert Evans, Lake Waban Laundry, Wellesley, Mass.

Laundry Section—Moderator, Forrest Neal, Old Colony Laundry and Drycleaners, Quincy, Mass.

PLANTOWNERS, managers and key employees are invited to attend the LCATA New England Educational Clinic With Exhibit. Reservations for hotel accommodations may be made through the Housing Bureau, Boston Convention and Tourist Bureau, 80 Federal Street, Boston 10, Mass.

EXPERT CONSULTATION

Engineers, chemists and production specialists will be available in exhibitors' booths for consultation with interested plantowners, managers and key employees.

Program Committee

WALTER J. WAHLEN, Chairman

IRVING GILSTON

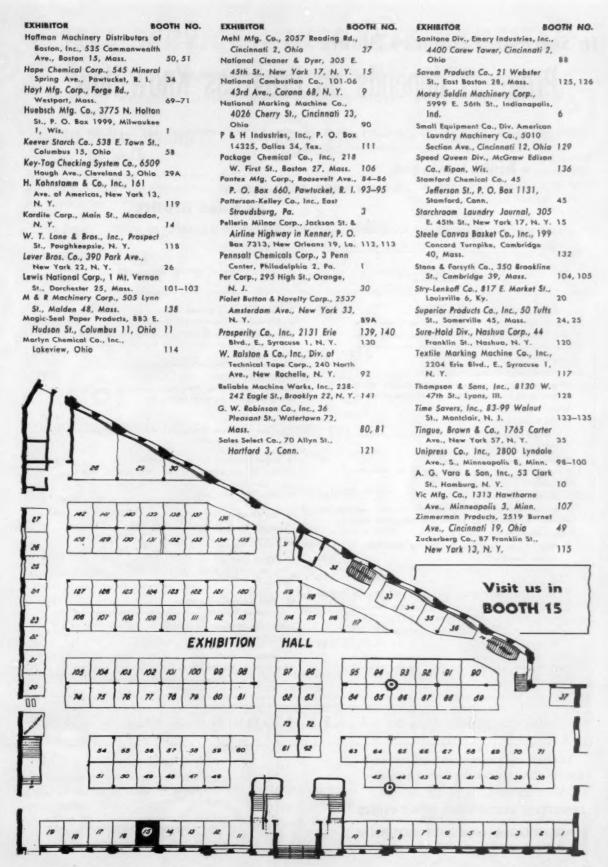
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LIST OF EXHIBITORS

EXHIBITOR	BOOTH NO.	EXHIBITOR	BOOTH NO.	EXHIBITOR BO	OOTH NO
Acme Nylon Products, Inc., 34 Walker St., New York 13, N.	Y. 60	Carman-Mitchell-Wing Co., 62 Montvale Ave., Stoneham 80,	61,73	Wm. G. Fitzsimmons, Inc., 2223 Massachusetts Ave., Cambridge	
Ajax Pressing Machine Co., 619 Fifth West St., P. O. Box 44	9,	Mass. Chandler Machine Co., West St.,	82	40, Mass. Foster-Stephens, Inc., 310 S.	59
Salt Lake City, Utah	78,79	Ayer, Mass.	87	Christiana Ave., Chicago 24, III.	12
American Cleaners Equipment Co Div. American Laundry Machin		W. M. Cissell Mfg. Co., Inc., 831 First St., Louisville 1, Ky.	S. 46-48	Fulton Boiler Works, Inc., P. O. Box 122, Pulaski, N. Y.	108, 109
ery Co., Ross & Section Aves Cincinnati 12, Ohio	4	Cleaning Laundry World, 10 E. 40th St., New York 16, N. Y.	137	Garment Finishing Equipment Corp. 18 Brattle St., Cambridge 38,	
American Laundry Machinery Co).,	College Chemical Co., 16 Broo	ks	Mass.	62,72
Ross & Section Aves., Cincinno 12, Ohio	83, 96	Park, Medford, Mass. Cook Machinery Co., Inc., 4301	91	Tremont St., Boston 16, Mass.	131
Atlas Powder Co., Atlas Bldg Wilmington 99, Del.	33	S. Fitzhugh Ave., Dallas 26, Te Craig Supply Co., Inc., 99 Madbu		Gibraltar Fabrics, Inc., 254 36th St., Brooklyn 32, N. Y.	44
Automatic Equipment Corp., 14 Tremont St., Brighton 35, Mass		Rd., Durham, N. H. Cummings-Landau Laundry Machi	63-65 n-	M. Gilston, Inc., 230 Ann St., Hartford 1, Conn.	38-41
Automatic Specialties, Inc., 242 Walker St., S. W., Atlanta 3,		ery Co., Inc., 303 Ten Eyck S. Brooklyn 6, N. Y.	67, 68	Gimmicks Unlimited, 92-02 37th Ave., Jackson Heights 72, N. Y.	31
Ga.	66	John Danais Co., Inc., 229 Shas	to	Goldman Pressing Machine Corp.,	
Beach Soap Co., 1 Mill St., Lawrence, Mass.	57	St., Manchester, N. H. Davies-Young Soap Co., 705	89B	400 W. Broadway, New York 12, N. Y.	
Benda Products, Inc., 120 Potte St., Cambridge 42, Mass.	18, 19	Albany St., Dayton 1, Ohio Eaton Chemical & Dyestuff Co.,	36	Walter Haertel Co., 2840 Fourth	_
Better Equipment Co., 281-285		1490 Franklin St., Detroit 7,		Ave., S., Minneapolis 8, Minn.	5
Ruggles St., Boston 15, Mass.	42, 43	Mich.	27	Hall Mfg. Co., Brookline, N. H.	22
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Foster St., Evanston, III. Boston Clip & Tag Co., 48 Grov	7, 8	Richards St., West Haven, Conn Empire Cardboard Corp., Main &	. 21	Canton, Mass. Henrici Laundry Machinery Co.,	23
St., Somerville 44, Mass.	127	Maple Sts., Warehouse Point,		Henrici St., Mattapan Sta.,	
G. A. Braun, Inc., 461 E. Brighto		Conn.	116	Boston 26, Mass.	74-77
Ave., P. O. Box 124, Colvi		Excelsior Machinery Co., 6175	1200	Hobade Associates, Inc., 22 Kirk-	
Sta., Syracuse 5, N. Y.	142	Vermont St., Detroit 8, Mich.	54-56	patrick St., New Brunswick, N. J.	97



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In plant after plant, leading laundry officials and their key employees use the know-how in our modern, authoritative, complete manuals to

build business

increase efficiency

raise profits

Sixteen of the manuals are listed here. They can aid you in a number of ways . . . and a major one is in the training of new or inexperienced help-fast!

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Progress Laundry-Cleaners, Indianapolis, Ind.



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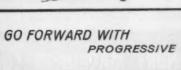
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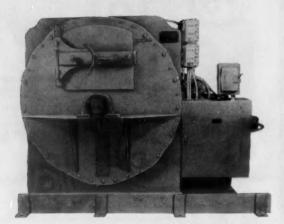
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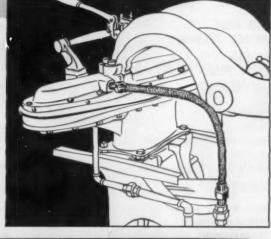
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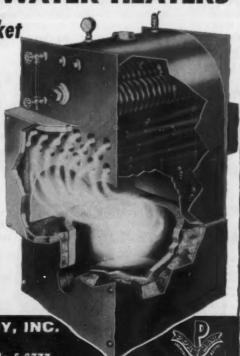
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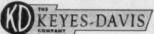
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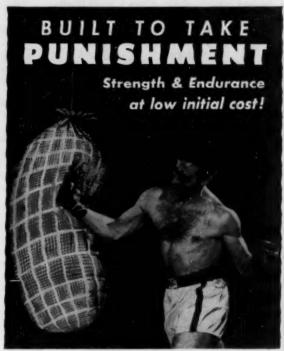
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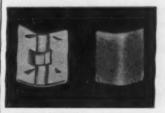
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DIRECTORY SECTIONS

of the Guidebook for the Laundry Industry

CLASSIFIED DIRECTORY ... Page 167

For ready reference to any or all manufacturers of laundry products turn to the alphabetical listing of supplies and equipment. In most instances products are listed under the noun—that is, "Starch, Corn" rather than "Corn Starch." This arrangement is followed consistently except where common usage has joined the two words; for instance, "Puff Irons" rather than "Irons, Puff." Although listings are planned to yield the desired heading immediately, the directory is thoroughly cross-indexed. Display advertisers are listed in bold face type. For further information and page numbers of their ads see Advertisers in This Issue, page 306.

TRADE NAMES Page 230

This alphabetical list will be of continuing value to the laundryowner who wishes to identify the manufacturers of the industry's trade name products.

MANUFACTURERS Page 255

Listed alphabetically here are laundry equipment and supply manufacturers together with their locations. Having found a firm name in either of the directories described above, use this list to determine where to address your correspondence.

LOCAL BUYERS' GUIDE . . . Page 264

This geographical breakdown provides complete buying information. Here you will find the jobbers or the branch offices serving your community. On the basis of the information we have received, firm names followed by (E) are jobbers for equipment, firm names followed by (S) are jobbers for supplies, and firm names followed by (E & S) are jobbers for both equipment and supplies. Bold face type denotes display advertisers. Index to Advertisers, page 306, will provide the page number where you can obtain a complete description of their products.

Every effort is made to insure the completeness and accuracy of the following directory sections. However, this information is published as a service, and no guarantee against errors or omissions is expressed or implied. Additions or corrections are invited at any time. Please address the publisher.

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manufacturers of equipment and supplies used in the laundry industry . . .

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FEED PUMPS, BOILER

See: Pumps, Feed-Water

FEED RIBBONS, NYLON

FEED SYSTEMS, BOILER Ses: Boiler Food Systems

FEED-WATER CONTROLS

See: Controls and Regulators (under specific

FEED-WATER HEATERS

See: Heaters, Feed-Water

FEED-WATER METERS San: Meters, Food-Water

FEED-WATER PUMPS See: Pumps, Food-Water

FEED-WATER REGULATORS

See: Controls and Regulators, Feed-Water

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FEED-WATER TEST CONTROLS

Sec: Controls and Regulators, Food-Water

FEED-WATER TESTING SYSTEMS See: Testing Systems, Food-Water

FELT PADDING See: Pads and Padding, Press and Ironer

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See: Boxes, Fiber and Paper

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GARMENT BAGS See: Bags, Drycleaners'

GARMENT CARRIERS

Bee: Carts, Garment

GARMENT DRIERS

See: Driers, Garment, Hot-Air

GARMENT DYEING

Sea: Dyeing, Garment

GARMENT DYES

See: Dyes

CARMENT FINISHERS, STEAM-

See: Steam-Air Finishers, Garment

GARMENT HANGERS

See: Hangers, Garment

GARMENT PRESSES

Bee: Presses (under specific headings)

GARMENT RACKS

Sea: Racks, Garment

GARMENT SHAPER-DRIER

See: Shaper-Drier, Garment

GARMENT STEAMERS

CAS BURNERS See: Burners, Gas

GAS-ELECTRIC TRUCKS See: Trucks, Industrial

GAS ENGINES See: Engines, Gas

GAS-OIL BURNERS See: Burners, Gas-Oil

GASOLINE MOTOR TRUCKS

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GLOVE SOAPS

See: Soups, Glove

GO-BACK CONVEYORS

See: Conveyors, Go-Back

COVERNORS, AUTOMOBILE

GOVERNORS, ENGINE

Hoof Products Co. Strong, Carlisle & Hammond Div.

GOVERNORS, POWER PRESSING **MACHINES** Pantez Mfg. Corp.

CRAVITY ROLLER CONVEYORS See: Conveyors (under specific headings)

CREASES, LUBRICATING

Cook's Adam, Sons, Inc. Grauer Research & Mfg. Co. Gulf Oil Corp., Gulf Refining Co. Keystone Lubricating Co. Lubriplate Div., Fiske Bros. Refining Co. Pure Oil Co. Stewart-Warner Corp., Alemite Corp. Stewart-Warner Corp., Alemi Texas Co. Union Carbide Chemicals Co. Union Oil Co. of California

GUARDS, HAT

See: Hat Guards

STARCHROOM LAUNDRY JOURNAL

GUARDS, LAMP Industrial Products Co.

GUARDS, MACHINE (BELT. FLYWHEEL, GEAR, ETC.)

Bastern Cyclone Conveyor System, Inc. General Metals, Inc. Kirk & Blum Mfg. Co. Wright-Austin Co.

GUARDS, SAFETY See: Safety Guards

GUARDS, TROUSER See: Trouser Guards

GUIDE RACKS

Bernard-Franklin Co., Inc. Haertel, Walter, Co. Para-Lux Products Co.
White Machine Co., Inc.

GUMMED TAPE

See: Tape, Gummed

GUNS. SPRAY See: Spray Guns

See; Baskets, Canvas, and Hampers, Shipping

HAMPERS, SHIPPING

Bonn, F. H., Co., Daniels, C. R., Inc. Lally, R., Co., Lsile, W. T., & Bros., Inc., McElmoyl, W. J., Co., Messe, Inc., Steele Canvas Basket Co., Inc.

HAND CREAM, PROTECTIVE

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HAND HOISTS See: Hoists

HANDKERCHIEF CONVEYORS See: Conveyors, Handkerchief

HANDKERCHIEF FLUFFERS See: Fluffers, Handkerchief

HANDKERCHIEF IRONERS See: Ironers, Handkerchief

HANDKERCHIEF REPLACEMENTS Sea: Replacements, Sheets, Pillowcuses, etc.

HANDLES, GUMTAPE FOR SHIRT PACKAGING

Carry Pack Co., Ltd.

HAND TRUCKS Bee: Trucks, Industrial

HANGER BLOCKS

See: Blocks, Hanger and Pillou

HANGER CAPES See: Capes, Wire-Hanger

HANCER CLIPS

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HANGER COMBINERS

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Oakville Co., Div. Scovill Mfg. Co. Plas-Ties Co. West Side Corp.

HANGER RACKS

See: Racks, Hanger

HANGER SHIELDS AND GUARDS

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Brooks, Alfred J.
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Cleaners Hanger Co.
Clopay Corp.
Frastik Co.
Fleischer Mills, Inc.
Goldman Mfg. Co.
Great Eastern Paper Converters, Inc.
Greif Brook. Cooperage Corp., Wire Garment
Hanger Div.
Hodge, Farwell & Co.
Larton Products Co., Inc.
Leathers, I. M., Sons
Lorcoc Industries, Inc.
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Marion Mfg. Co., Inc.
Majestic Paper Box Co., Inc.
Majestic Paper Box Co., Inc.
Nagel Coat Hanger Co.
Nutual Paper Box Co., Inc.
Nagel Coat Hanger Co.
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Phese To.
Sta-Neat Corp.
Tillery Container Corp. Anson, Art, Inc. Time Savers, Inc. West Side Corn.

HANGERS, CURTAIN AND DRAPERY

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Cleaners Hanger Co., Inc.
Engineering & Production Specialties
Luceke Drapery Pleating Machine Co.
Memphis Hanger Co.
Para-Lux Products Co.
Phoenix Products Co.
Phoenix Products Co.
Star-Service Hanger Ov., Young Spring & Wire
Corn. Corp.

HANGERS, DRIER

HANGERS, GARMENT

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Cleveland Garment Hanger Co. Davis, K. H., Mfg. Co. Diamond Wire Hanger Co. Dixie Hanger Co. Garment Hanger Co. Goldman Mfg. Co.

Greif Bros. Cooperage Corp., Wire Garment Hanger Div. Haertel, Walter, Co.
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Pacific Coat Hanger Mfg. Co. Para-Lux Products Co.
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Phoenix Products Co.
Pittsburgh Hanger Co.
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HANGERS, NECKTIE

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HANGERS, REVOLVING SHIRT American Laundry Machinery Co. Bishop David Preeman Co.

HANGERS, RUG AND CARPET See: Rug and Carpet Cleaning Rquipment

HANGING SCALES

HAT-BLOCKING MACHINES See: Blocking Machines, Hat

BOLD TYPE LISTINGS

HAT GUARDS

American Hatters Supplies, Inc. Automatic Paper Box Corp. Brooks, Alfred J. Hatters Supply House, Inc. National Hatters Supply Co., Inc. Phoesix Products Co. Rosenthal Paper Co. Spear Box Co., Inc. West Side Corp.

HATTERS' EQUIPMENT

American Hatters Supplies, Inc. Excelsior Machinery Co. Hatters Supply House, Inc. National Hatters Supply Co., Inc.

HATTERS' SUPPLIES

American Hatters Supplies, Inc. Automatic Paper Box Corp. Cornell Paperboard Products Co. Greenville Chemical Co. Inc. Weystons Anline & Chemical Co. National Hatters Supply Co., Inc. Warco Laboratories

HEAD PLATES (PRESSING MACHINES)

See: Press Plates

HEATERS, AIR

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Cutter-Hammer, Inc.
Davis Engineering Corp.
Dravo Corp.
Eric City Iron Works
Iron Fireman Mig. Co.
Martin Fan & Blower Co. Martin Fan & Blower Co. Norman Control Co. Peabody Engineering Corp. Rockwell, W. S., Co. Sellers Engineering Co. Wiegand, Edwin L., Co.

HEATERS, BLAST

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Schaub, Fred H., Engineering Co.
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Taco Heaters, Inc.
Whitlock Mig. Co.
Wicquand. Edwin L., Co.
Worthington Corp.

HEATERS, FUEL-OIL

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Davis Engineering Corp.
General Electric Co., Air Conditioning Dept.
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Petroleum Heat & Power Co
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Ross Heat Exchanger Div. Taco Heaters, Inc. Whitlock Mig. Co. Wiegand, Edwin L., Co.

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HEATERS, SOLVENT

See: Solvent Heaters

HEATERS, UNIT

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Bryant Heater Div., Affiliated Gas Equipment,
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Carrier Corp.,
Carage Fan Co.
Crane Co.
Davis Engineering Corp.
Dravo Corp.,
Dunham-Bush, Inc.,
Ilig Electric Ventilating Co.
Kisco Boller & Engineering Co.



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Kewanee Boiler Corp.

Ludell Mig. Co.

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Ludell Mig. Co.
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Peabody Engineering Corp.
Petroleum Heat & Power Co.
Schaub, Fred H., Engineering Co.
Schlut, David, & Sons
Trane Co.
Taco Heaters, Inc. Taco Heaters, Inc. Whitlock Mig. Co. Wiegand, Edwin L., Co.

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Ludell Mfg. Co.
Old Dominion Iron & Steel Corp.
Patterson-Kelley Co., Inc.
Ross Heat Exchanger Div.
Schaub, Fred H., Engineering Co.
Stout, David, & Sons
Tago Heaters, Inc.
Trans. Co.
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Witlock Mfg. Co.
Wirgand, Edwin L., Co.
Worthington Corp.
Young Radiator Co.

HEATING AND COOLING COILS

See: Coils, Heating and Cooling

HEAT RECLAIMERS

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HEAT-SEALING MENDING TAPE See: Tape, Mending, Heat-Sealing

HIGH-WATER ALARMS

See: Alarms, High- and Low-Water

HOISTS

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HOOKS, ASSEMBLY See: Assembly Hooks

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HOSE REELS See: Reels, Hose

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HOSIERY IRONERS

See: Ironers, Hosiery

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HUMIDITY CONTROL UNITS, SOLVENT

See: Solvent Humidity Control Units

HYDRAULIC HOISTS

Sec: Hoists

HYDROGEN PEROXIDE

See: Bleach

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Sea: Tags, Murking

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INDELIBLE MARKING INK See: Ink, Indelible Marking

INDICATING THERMOMETERS See: Thermometers, Indicating

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(Continued on next page)

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Ink, Indelible Marking (Continued) Nicholson, Win, J., Laboratories Nissen, John P., Jr., Co. Olssen Mark Corp. Pittsburgh Tag Co. Stadham Co., Inc.

INK. INVISIBLE MARKING National Marking Machine Co.

INSECTICIDES

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Heller, B., & Co.
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Pennsalt Chemicals Corp. Riverside Chemical Co., Inc. Signal Chemical Mfg. Co., Inc. Stauffer Chemical Co. Staums, George, Chemical & Mig. Co. Swift & Co., Industrial Soap Dept. Thompson.—Hayward Chemical Co. Tower Chemicals, Inc. Trico Chemical Works, Inc. U. S. Rubber Co.

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INSTANTANEOUS HEATERS

See: Heaters, Instantaneous

INSULATED WIRE AND CABLE Ses: Wire and Cable, Insulated

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IRONER CANOPIES See: Flatwork Ironer Canopies

IRONER CLOTH See: Cloth, Cover

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Stadham Co., Inc.
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Toptex Corp.
Whitchouse Mylon Products
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IRONERS, RUFFLE

Chandler Machine Co. Maxant Button & Supply Co

IRONERS, SLEEVE

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IRONER TAPE

See: Tape, Ironer

IRONING BOARDS AND TABLES

American Laundry Machinery Co.
Bishop David Freeman Co.
Cissell, W. M., Mfg. Co., Inc.
Cummings-Landau Laundry Machinery
Co., Inc.
New York Pressing Machinery Corp.
Steele, J. W., & Co.

IRONING BOARDS, SLEEVE See: Sleeve Boards

IRONING FORMS, EXPANDING See: Expanding Ironing Forms

IRONING-ROOM CONVEYORS See: Conveyors, Ironing-Room

IRON-REMOVAL EQUIPMENT, WATER TREATMENT

See: Water Treatment Equipment

IRONS, ELECTRIC

Behrstock, L., Co. Bishop David Freeman Co. Cissell, W. M., Mfg. Co., Inc.

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General Electric Co. Newhouse Specialty Co., Inc. New York Pressing Machinery Corp.

IRONS, PUFF See: Puff Irons

IRONS, ROTARY, FUR

Fur Feel Corp. Haertel, Walter, Co. Mackler, B., & Son Reliable Machine Works, Inc.

IRONS, SPRAY Bishop David Preeman Co. Cissell, W. M., Mfg. Co., Inc.

IRONS, STEAM-ELECTRIC

Automatic Steam Products Corp. Behrstock, L., Co. Behrstock, L., Co.
Bishop David Freeman Go.
Gissell, W. M., Mfg. Co., Inc.
General Electric Co.
Mackler, B., & Son
Newhouse Specialty Co., Inc.
New York Pressing Machinery Corp.
Reliable Machine Works, Inc.
Vapor Jet Steam Products, Inc.

IRON STANDS

Amber Mig. Co.

Bishop David Preeman Co.

New York Pressing Machinery Corp.

Vapor Jet Steam Products, Inc.

JAPAN WAX See: Waz, Japan

JOINTS, FLEXIBLE STEAM

American Brass Co., American Metal Hose Div. American District Steam Co., Inc. American Liberts of came U., and.
Barco Mig. Co.
Diamond Metal Products Co.
Flexonics Corp.
Lakewood Manufacturing Co.
New York Pressing Machinesy Corp.
Universal Metal Hose Co.

JOINTS, REVOLVING AND SWING

Baroo Mfg. Co, Diamond Metal Products Co. Johnson Corp. New York Pressing Machinery Carp. Perfecting Service Co.

KETTLES, DYE See: Dye Kettles

LABEL MOISTENERS See: Moisteners, Label

LABELS AND SEALS

Bartlett Label Co.
Courad Embroidery Co.
Dennison Mfg. Co.
Lally, R., Co.
Lally, R., Co.
Lambooy Label & Wrapper Co.
Phoenix Products Co.
Rubinoff, M., Inc.
St. Louis Sticker Co.
Stry-Lenkoff Co.
Wormstead, Smith & Loomis, Inc.

LABELS, EMBROIDERED See: Emblems

LABELS, WOVEN, MARKING Cash, J. & J., Inc. National Marking Machine Co. Penn Novelty Co. Pre-Marked Strip Tag Co.

LABORATORY EQUIPMENT

Andrew Technical Service General Scientific Equipment Co. Sterling, Inc.

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LACERS
American Associated Companies
Callaway Mills, Inc.
Clipper Belt Lacer Co.
Crescent Belt Fastener Co.
Detroit Belt Lacer Co.
Flexible Steel Lacing Co.
Lally, E., Go.
Philadelphia Belting Co.
Tingue, Brown & Co.
Williams, I. B., & Sons
Zuckerberg Co.

LAMP GUARDS See: Guards, Lamp

LAMPS, COLOR-MATCHING AND DAYLIGHT

General Electric Co. Sylvania Electric Products, Inc. Westinghouse Electric Corp., Lamp Div.

LAMPS, FLUORESCENT

General Electric Co., Lamp Dept.
Ideal Lighting Co.
Wattomal Warking Machine Co.
Sylvania Products, Inc.
Westinghouse Electric Corp., Lamp Div.

LAMPS, MERCURY-VAPOR General Electric Co., Lamp Dept. Westinghouse Electric Corp., Lamp Div.

LAPEL PROTECTORS See: Protectors, Lapel

LAUNDRY BAGS, PAPER See: Bags, Laundry, Paper

LAUNDRY CARTS See: Carts, Garments and Laundry

LAUNDRY DYES See: Dyes

LAUNDRY EXTRACTORS See: Extractors, Laundry

LAUNDRY PACKAGING See: Packaging, Laundry

LAUNDRY PRESSES See: Presses, Laundry, Manually Operated, or Presses, Laundry, Power Operated

LAUNDRY SOAPS

LAUNDRY TINTS See: Tints and Dues, Laundry

See: Scaps, Laundry

LAUNDRY TUMBLERS, CLOTHES See: Tumblers, Clothes, Laundry

LAUNDRY WASHERS See: Washers, Laundry, Metal, or Washers, Laundry, Wood

LEATHER BELTING See: Belting, Leather

LEATHER BELTING CEMENT See: Coment, Leather Belting

LEATHER BELTING, WATER-

See: Belting, Waterproof Leather

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Caled Products Co., Inc.
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Chapman Suede & Leather Refinishers
Cinti Suede & Leather Refinishers
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Coastal Chemical Corp.
C. O. D. Cleaning and Dyeing Co.
Cole Leather Cleaners of America
Columbus Lace Cleaning Co.,
Custom Helenizing Leather
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Deer Park Cleaners
Deluxe Cleaners & Dyers
De Witt Glove Co.
Dyo Chemical Co.
Edoo Process Dry Cleaners
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Washington Cleaning Co.
Wye Industries

LEATHER CLEANING SOAPS Seg: Somes, Leather Cleaning

LEATHER DYEING See: Dyeing, Leather and Suede

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LEATHER SOFTENERS

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Benda Products, Inc.
Calcel Products Co., Inc.
Coastal Chemical Corp.
Cravenette Co., U. S. A.
DuPont de Nemoun, E. I., & Co., Inc.
Dyo Chemical Co.
Edelmuth Mfg. Chemists
Keystone Aniline & Chemical Co.
Nu-Pro Mfg. Co.
Nu-Pro Mfg. Co.
Nu-Pro Mfg. Co.
Signal Chemical Works, Inc.
Signal Chemical Mfg. Co., Inc.
Signal Chemical Co.
West Side Corp.

LIFT TRUCKS See: Trucks, Industrial

LIGHTING FIXTURES

Donnell Co. General Luminescent Corp. Guth, Edwin F., Co. Revere Electric Mfg. Co.

LIME SOAP SOLVENT See: Solvent, Lime Soap

LINEN MARKERS See: Markers, Linen

LINEN SUPPLIES American Associated Cos. Best Textile Corp.

Best Textile Corp.
Bostwick-Batterson Co.
Pullelean Towel Cabinet System
Reed-Stabin, Inc.
Standard Garment Co.
Swift & Co., Industrial Soap Dept.
Tingue, Brown & Co.

LINERS, BASKET Bonn, F. H., Co. Daniels, C. R., Inc.

(Continued on next page)

BOLD TYPE LISTINGS

Liners, Basket (Continued) Liners, Basket (Confinued)
Kennedy Car Liner & Bag Co., Inc.
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Lane, W. T., & Bros., Inc.
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Southern Mills, Inc.

LIQUID BLEACH

See: Bleach

LIQUID CHLORINE See: Chlorine, Liquid

LIQUID LEVEL CONTROLS See: Controls and Regulators, Liquid Level

LIQUID LEVEL RECORDERS See: Controls and Regulators

LIQUID LEVEL REGULATORS See: Controls and Regulators, Liquid Level

LIQUID STARCH See: Starch, Liquid

LISTING MACHINES Mational Cash Register Co. National Marking Machine Co.

LISTS, PRICE See: Price Lists

LOADING HOPPERS Bastern Cyclone Conveyor System, Inc.

LOCKERS, METAL Berger Mfg. Div., Republic Steel Corp.

LOW WATER ALARMS See: Alarms, High and Low Water

LOW WATER FUEL CUTOFFS See: Boiler Fuel Cutoffs, Low Water

LUBRICANT STARCH See: Starch, Lubricant

LUBRICATING GREASES See: Greases, Lubricating

LUBRICATING OILS See: Oils, Lubricating

MACHINE MARKING IDENTIFI-CATION SYSTEMS

See: Identification Systems

MACHINERY, USED AND REBUILT

Allied Laundry Machinery Corp.
Anchor Laundry Machinery Service, Inc.
American Laundry Machinery Co.
Butler Mig. Co.
Butler Mig. Co.
California Laundry Equipment Co.
Chicago Dryer Co.
Columbia Laundry Machinery Co.
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Greaves Machine Tool Co.
Hatters Supply House, Inc.
Henriei Laundry Machinery Co.
Kehlstrom, E.
Mackler, B., & Sons
Mercury Cleaning Systems, Inc.
Mitchell, J. B., Co.
New York Pressing Machinery Corp.
Nicholson, W. H., & Co.
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Sec-O-Matic Corp.

Small Equipment Co., Div., American Laundry Machinery Co. Super Laundry Machinery Div., American Machine & Metals, Inc. Universal Laundry Machinery Co. United Vacuum Appliances Corp. Vic Mfg. Co. Western Laundry Machinery Co. Williams Laundry Machinery Co.

MACHINES, ELECTROLYTIC **BLEACH-MAKING**

See: Bleach-Making Machines

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Ses: Flags, Marking

MARKING FOUNTAIN PENS

See: Fountain Pens, Marking MARKING INK

See: Ink, Indelible Marking, or Ink, Invisible Marking

MARKING INK, INVISIBLE See: Ink, Invisible Marking

MARKING LABELS, WOVEN See: Labels, Woven, Marking

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See: Identification Systems

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See: Tags, Marking

MARKING-TAG SEWING MACHINES

See: Sewing Machines, Marking-Tag

MARKING TAPE

See: Tape, Marking

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General Match Co. Universal Match Corp.

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MENDING TAPE

See: Mending and Patching Material, Garment and Lines.

MENDING TAPE, HEAT-SEALING See: Mending and Patching Material, Garment and Linen

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METAL HAND TRUCKS See: Trucks, Industrial

METAL HOSE, FLEXIBLE See: Hose, Flexible Metal

METAL LOCKERS See: Lockers, Metal METAL, MONEL

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METAL PADS, MONEL See: Pads and Padding, Press and Ironer

METAL, PERFORATED Berger Mfg. Div., Republic Steel Corp. Butler Mfg. Co. Chase Brass & Copper Co. Ohio Centrifugals Co.

METAL PICK-UP BOXES See: Boxes, Metal

METAL POLISH See: Polish, Metal

METAL, PORCELAIN-ENAMELED Stafford Mfg. Co., Inc.

METAL-PROTECTIVE PAINT See: Paint

METAL SHELVING

See: Shelving, Metal METAL TANKS

See: Tanks, Metal METAL VATS See: Vats, Metal

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METERS, pH ELECTROMETRIC DETERMINATION

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Talb Industries, Inc. rs. E. I., & Co., Inc. Tab Industries, Inc.
Tower Chemicals, Inc.
Troy Chemical Co.
Union Carbide Chemicals Co.
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MILL WHITE PAINT See: Paint

MIXERS, STARCH See: Storch Mixers

MODIFIED SODA See: Soda, Modified

MOISTENERS, LABEL Better Packages, Inc.

MOISTURE CONTROLS

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Emery Industries, Inc., Sanitone Div.
Kleentest Laboratories
Minneapolis-Honeywell Regulator Co.
National Paper Band Co.
Stamford Chemical Co.
Street, R. R., & Co., Inc.

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Dixo Co.
Eaton Chemical & Dyestuff Co.
Eaton Chemical Corp.
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Lustrol Drycleaning Products Co.
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Spix Products Co.
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Stamford Chemical Co. Stamford Chemical Co. Street, R. R., & Co., Inc. Swift & Co., Industrial Scap Dept.

MOLDED RUBBER GOODS See: Rubber Goods, Molded

MONEL METAL See: Metal, Monel

MONEL METAL PADS See: Pads and Padding, Press and Ironer

MONORAIL CONVEYORS See: Conveyors, Monorail

MONORAIL TROLLEYS See: Trolleys, Monorail

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Glis'n Products Co., Inc.
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Huntington Laboratories, Inc.
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MOTHPROOFING AND FLAME-PROOFING AGENTS COMBINED

See: Flameproofing and Mothproofing Agents Combined

MOTHPROOFING EQUIPMENT

Butler Mig. Co. Haertel, Walter, Co. Keystone Chemical Co. Keystone Wachine Works, Inc. Wolke, A. F., Co.

MOTHPROOF STORAGE BAGS See: Bags, Storage Mothproof

MOTH REPELLENTS

See: Mothproofing Agents

BOLD TYPE LISTINGS

MOTOR CONTROLS

e: Controls and Regulators, Motor

MOTOR-GENERATOR SETS

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MOTOR TRUCKS

See: Trucks, Motor

MUSHROOM PRESSES

See: Presses, Mushroom

NAMEPLATES

See: Emblems

NAPHTHAS

American Mineral Spirits Co. Anderson-Prichard Oil Corp. Skelly Oil Co. Socony-Vacuum Oil Co., Inc. Standard Oil Co. Union Oil Co. of California

NECKBAND REPLACEMENTS

See: Replacements, Collar, Cuff and Neckband

NECKTIE CASES

See: Cases, Necktie

NECKTIE HANGERS

See: Hangers, Necktie

NECKTIE PRESSES

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NEUTRAL LUBRICANT

See: Spotting Agents

NON-RETURN TRAPS

See: Traps, Non-Return

NON-RETURN VALVES, BOILER

See: Valves, Boiler Non-Return

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OLLLES, STARTA
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NYLON COVER CLOTH See: Cloth, Cover

NYLON IRONER TAPE

See: Tape, Ironer **NYLON NETS**

See: Nets, Laundry

NYLON PRESS CLOTH

See: Cloth, Preus

ODOR ABSORBERS

See: Absorber, Odor

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OIL AND STEAM SEPARATORS

See: Separators, Oil and Steam

OIL BURNERS

See: Burners, Oil

OIL COOLERS

See: Coolers, Oil, Water, Air

OILERS

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Perfecting Service Co.
Permuti' Co.
Wright-Austin Co.

OIL PUMPS

See: Pumps, Oil

OIL-REMOVING FILTERS

See: Filters, Oil-Removing

OILS, LUBRICATING

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Lubriplate Div., Fisks Bres. Refining Co.
Shell Oil Co.
Shell Oil Co. Standard Oil Co. Stewart-Warner Corp., Alemite Corp. Texas Co. Union Oil Co. of California

OIL SOAPS

See: Soaps, Oil

OILS, SULPHONATED

See: Sulphonated Oils

OIL, TURKEY RED See: Turkey Red Oil

OPTICAL BLEACH See: Bleach

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Reliable Machine Works, Inc.
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ORTHOSILICATE (SODIUM)

See: Sodium Orthosilicate

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OVERALL PRESSES See: Presses, Overall

OVERFEED STOKERS See: Stokers

OVERHEAD CONVEYORS

See: Conveyors (under specific headings)

OVERHEAD CRANES

See: Cranes, Overhead Blectric

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OZONE GENERATORS

See: Deodorizing Machines

PACKAGE DISCHARGE CON-VEYORS

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See: Pads and Padding, Press and Ironer

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See: Pads and Padding, Press and Ironor

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PAPER, ASBESTOS See: Asbestos Paper

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Sen: Bands, Paper

PAPER BOXES

See: Boxes, Fiber and Paper

PAPER HANGERS

See: Hangers, Garment

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See: Bags, Laundry, Paper

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See: Envelopes, Shirt

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See: Wrappers, Paper

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See: Soaps, Drycleaning

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See: Mending, Patching Material

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See: Buttons

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See: Test Kits, Phosphate

PHOSPHATE, TRISODIUM

See: Trisodium Phosphate

PHOTOELECTRIC CONTROLS

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See: Tickings

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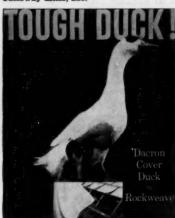
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RUBBER HOSE See: Hose, Rubber

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See: Nets, Laundry

RUBBER PADDING

See: Pads and Padding, Press and Ironer

RUBBER PAILS

See: Buckets and Pails, Acid-Resisting

RUBBER-TIRED WHEELS

See: Wheels and Casters, Trucks, etc.

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See: Binding, Rug and Carpet

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(Continued on next page)

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Carlton Chemical Products Corp.
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Choral Chemical Products Corp.
Choral Chemical Co., Inc.
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Concord Chemical Co., Inc.
Covies of Chemical Co., Inc.
Covies of Chemical Co., Inc.
Davis-Young Soap Co.
Davis-Well Mig. Co.
Davis-Well Mig. Co.
Diamond Chemical Co., Inc.
Fry Broa. Co.
Huntington Laboratories, Inc.
Iowa Soap Co.
Kenco Chemical Co., Inc.
Kingman Broa., Inc.
Kingman Broa., Inc.
Laundry Chemicals Co.
Lever Broa. Co.
Seathama, H., & Co., Inc.
North Conact Chemical Corp.
Los Angeles Soap Co.
Minnesota Chemical & Soap Works
Pacific Coast Borax Co.
Pennsalt Chemicals Corp.
Procter & Gambial Distributing Co.
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Patek & Co.;
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Spix Products Co.
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Standard Soap Co., Div., Concord Chemical Co.,
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Swift & Co., Industrial Soap Dept.
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Standard Soap Co., Div., Concord Chemical Co.,
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Swift & Co., Industrial Soap Dept.
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Wrisley, Allen B., Co. Wye Industries

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Armour & Co., Industrial Soap Dept.

Beach Soap Co.

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Comord Chemical Co., Inc.
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See: Upholstery Shampooing Soaps

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SOFTENERS, WATER

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See: Pads and Padding, Press and Ironer

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See: Flatwork Ironer Stackers

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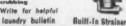
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WATER LEVEL INDICATORS See: Indicators, Water Level

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ALLIGATOR, belt fasteners, belt cutters, Flexible

Steel Lacing Co.

ALL-IN-ONE, air-conditioning unit, Chrysler
Corp., Airtemp Div.

ALL IN ONE, zipper repair kit, spotting gun, press
clamp, sleeve formers, auto rack, Newhouse Specialty Co., Inc. ALLOCK, laundry nets and fabries, Davis Mills

Inc.
ALL-PURPOSE, shirt unit, Prosperity Co., Div.
Ward Industries Corp.
ALL-PURPOSE, sour, Thompson-Hayward Chem-

ical Co.
ALL-PURPOSE, starch, A. E. Staley Mfg. Co.
ALL-STEEL, scales, Triner Scale & Mfg. Co.
ALLWAY, trouser shaper, Huebsch Originators,
Div. American Laundry Machinery Co. ALLWEATHER, fire extinguishers, American-La

France-Foamite Corp.

ALL WIRE, garment hangers. Star Service Hanger
Div. Young Spring & Wire Corp.

ALMCON, automatic washing control, American Laundry Machinery Co. ALPHA, oil pumps, Lunkenheimer Co.

ALRITE, pins, trays and tray cabinets, marking pins, Keyes-Davis Co. pins, Keyes-Davis Co.

ALROLENE 79, petroleum drycleaning detergent,
Hope Chemical Co.

ALROLENE 65, synthetic drycleaning detergent,
Hope Chemical Co.

ALROMINE, RU109, diaper and cotton softener, Hope Chemical Co. ALROPEL, dry size and water repellents, Hope Chemical Co. ALROSNE 31, synthetic detergent, Hope Chemical Co.
ALROSEPT, germicide and fabric softener, Hope Chemical Co.

Chemical Co.

ALROSOL, wetting agent and penetrant, Hope Chemical Co.

ALROWET, wetting agent, Hope Chemical Co.

ALSEN, oil cups, Lukenheimer Co.

ALTON, air washer type evaporative cooler, Alton

ALTON, air wanner type evaluative control of Mig. Co.
ALUMEX 50, 60, 70, high alumina firebrick, kiln liners, Mexico Refractories Co.
ALUMINUM OILITE, bearings and parts, Chrysler Corp., Amplex Div.
ALVOR, oil control, Lunkenheimer Co.
AMACEL, acetate dyes, American Aniline Products Inc.

AMAFORM, dyeing agent, American Aniline Products, Inc.
AMALIE, oils and greases, L. Sonneborn Sons, Inc.
AMANIL, dyestuffs, American Aniline Products,

AMAPRO UNION, aniline dyes, American Aniline

Products, Inc.

AMAZON, washing powder, Swift & Co.

AMBASSADOR, continuous towel cabinet, Ambassador Continuous Cabinet Co.

AMBASSADOR, synthetic solvent drycleaning unit,

Ambassadon, synthene solvent arycleaning unit,
Detrex Chemical Industries, Inc.
Amber, all-metal sleeve board, sleeve form, sleeve
press board, press clamp, steam fron stand, fron
stand, fron rest, pants stretcher, marking pen,
Amber Mig. Co.
Amber, neutral tallow soap, Procter & Gamble

Distributing Co.

AMERICAINE, first aid for cuts, burns and bruises, AMBER METHOD, reweaving process, Amber

Americaine, inc.

Americaine, inc.

Americaine, inc.

American, continuous towel cabinets, paper towel cabinets, Steiner Sales Co.

American, continuous towel cabinets, paper towel cabinets, Steiner Sales Co.

American, curtain and blanket finishing equipment, American Laundry Machinery Co.

American, drying and deodorizing cabinet, American Laundry Machinery Co.

American Laundry Machinery Co.

American, flatwork feeder and spreader, American Laundry Machinery Co.

American, flatwork feeder and spreader, American Hose Div.

American, American Brass Co., American Metal Hose Div.

American, laundry and drycleaning solid-curb extractors, American Laundry Machinery Co.

American, Shirt Co.

American, Sales and sport shirts, pajamas, American Shirt Co.

American, starch cookers. American Laundry American, starch cookers.

Adco. Inc.
Adco. Inc.
American, starch cookers, American Laundry
Machinery Co.
American, water meters, Buffalo Meter Co.
American, water magnetic press units, American
Laundry Machinery Co.
American Laundry Machinery Co.

AMERICAN Alticicar i, Laundry Machinery Co. AMERICAN AUTOMATIC, drycleaning tusablers, AMERICAN AUTOMATIC, drycleaning tusablers,

chinery Co.
AMERICAN BEAUTY, electric flatirons, American Electrical Heater Co.
AMERICAN CASCADE, washers, American Laundry Machinery Co.

AMERICAN FORMATIC, shirt unit, American Laundry Machinery Co.

AMERICAN-LA FRANCE, fire extinguishers,
motorized fire-fighting apparatus, American-La

mounteeu massessesses France-F

AMERICAN O. T., drycleaning extractor, American Laundry Machinery Co.

AMERICAN SUPER SPEED, tumblers, American

Laundry Machinery Co.

AMERICAN SYSTEM, shirt conveyor and presses,

American Laundry Machinery Co.

AMERICAN TIPE & american

AMERICAN TIPE & american

Laundry Ma
matic washer controls, American Laundry Ma-

matic washer testitues, and numbering machine, chinery Co. AMERICAN VISIBLE, hand numbering machine American Numbering Machine Co.

AMERICAN ZONE-AIR, feather reconditioning unit. American Laundry Machinery Co.

AMERICAN ZONE-AIR, laundry and drycleaning tumblers, American Laundry Machinery Co.

AMES, boiler engines, etc., Ames Iron Works, Inc.

AMESTEAM, steam generator, Ames Iron Works, Inc.

AMNOL, drycleaning detergent, Trico Chemical Div., Tri-State Equipment Co. AMMOCIDE, laundry sterilizer, mildew preventative, Carlton Chemical Co., Inc. AMNUM, wear-resistant metal for traps, valve parts, Strong, Carlisle & Hammond Div.

AMOREDTEX, extractor covers, Patek & Co.
AMPERE, canvas stitched belting, Victor Balata & Textile Belting Co.

AMSCO, high-flash Stoddard solvent, 140° F solvent, special naphtha, American Mineral Spirits Co.

AMYLIN, laundry starches, National Starch Products, Inc.

AMYL-SOL, synthetic amyl acetate, Warco Labo-

ANCHOR ALKALI, alkali cleanser, Solvent Proc-ANCHOR ALKALI, alkali cleanser, Solvent Proc-ess Div. Allied Chemical & Dye Corp. ANDERSON, patented collar supports, Anderson Collar Support Co. ANDERSON, pipe-line strainers, steam traps,

ANDERSON, pipe-line strainers, steam traps, v. D. Anderson Co.
ANDERSON EASY-LOCK, drapery protector, Anderson Specialty Mg. Co.
ANDREW, ball and roller bearings, bronze bushings and steel balls, Andrew Parts Mfg. Co.
ANGELICA, washable service apparel, Angelica Uniform Co.
ANHYDRO, spotting agent, A. L. Wilson Chemi-

cal Co.
ANOLITE, moisture dispersing agent for charged systems, R. R. Street & Co., Inc.
ANSUL, fire extinguishers, Ansul Chemical Co.
ANTHONY, oil burners, pipe-line strainers, valve,
Anthony Co.
ANTHONY NEBULYTE, gas, gas-oil, oil burners,
torches, Anthony Co.
ANTI-CRUSH, double collar supports, J. W.
Steel & Co.

Steel & Co.
ANTI-HYDRO, leather belting, waterproof ce-ment, Webb Belting & Supply Co.
ANTI-R-G, anti-rolling compound, Gibraltar Fab-

ANTI-ROLL, checks rolling on flatwork ironers,

H. Kohnstamm & Co., Inc.
ANTISEPTIC HUNTOLENE, Huntington Laboratories
ANTI-WINE, liquid bleaching agent for spotting,

Warco Laboratories
ANVIL-PUMICE, toilet soaps, Los Angeles Soap

Co.
Al-A2, sudsy and clear ammonia, Reslabs, Inc., Div., Linco Products Corp.
APACHE, soap builder, Wyandotte Chemicals Corp., J. B. Ford Div.
APCO 125, deodorized, drycleaning solvent, Anderson-Prichard Oil Corp.
APCO 140 F, dry cleaning solvent, Anderson-Prichard Oil Corp.
APCO-WATER SAVER, water regulator, Appliance Service Co.

ance Service Co.

APEX WASH-A-MATIC, 8-pound automatic laundry washer, Apex Rotarez Corp.

APPLEGATE, indelible ink (aliver base), laundry marking pens, linen marking machine (haud, foot and motor power), Applegate Chemical Co.

APPLICET, powdered aluminam acetate, Arnold-Hofman & Co., inc.

AUA-BLECTRIC, water treatment equipment, Aqua Electric Scale Control, Inc.

AQUALINE, concentrated liquid wet cleares.

AQUALINE, concentrated liquid wet cleaner, Lustrol Drycleaning Products, Div. Patek & Co. AQUANOL, wire and cable, General Electric Co. AQUANOL, wire and cable, General Electric Co. AQUASTE/M, pressing iron system, Automatic Steam Froducts Corp.
AQUAWAX, self-emulsifying lubricant wax, Concord Chemical Co. ARABOL, starch, Arabol Mfg. Co. ARBOGAST, system of condensate control, Southern Machinery Co. ARBUTUS, soap, Minnesota Chemical Co. ARCITC, fire extinguishers, American-La France-Foamite Corp.

Foamite Corp.

Foamite Corp.

ARCTIC CRYSTAL, all-tallow soap and granu-

ANCITIC CRYSTAL, all-hallow soap and granulated flakes, Colgate-Palmolive Co.
ARCTIC SYNTEX, H. D., M, 036, synthetic detergents, Colgate-Palmolive Co.
ARIDEX, renewable water repellent, E. I. du Pont de Nemours & Co., Inc.
ARIDZONE, synthetic zeolite water softener, El-

gin Softener Corp.
ARISTOCRAT, pillow tickings, R. Lally Co.
ARISTOCRAT, safety pins, William Prym, Inc.
ARISTOCRAT, steel file cabinets, Remington

Rand, Inc. ARISTOCRAT, match book, Universal Match

Corp.
ARISTOCRAT PAD-N-KUVER, covered foam rubber pressing pad, Abbey Mfg. Co., Inc.
ARISTOCRAT SPONGE PAD, uncovered foam rubber pressing pad, Abbey Mfg. Co., Inc.
ARISTOMATIC, drycleaning machine and recovery-synthetic, Pinnacle Products Corp.
ARK-VAK, leather belting, Philadelphia Belting

ARLAC, alkali, soap builder, Wyandotte Chemi-cals Corp., J. B. Ford Co.

ARMA, marking machines, daily delivery tags, roll tags, loop tags, dispenser tags, day tags, indelible ink, safety pins, Pittsburgh Tag Co.

ARMA-MATIC, staplers, stapling machines, Pitts-burgh Tag Co.

ARMEN "98," all purpose spotter, Armen Chemicals, Inc.

ARMITE, anti-seize compound, thread lubricant, joint seal compound, gasket paste, Armite Laboratories ARMORBELT, metal belt conveyor, M-H Stand-

ard Co.
ARMOR-TREDS, molded heavy duty rubber stair
treads, American Floor Products Co.
ARMORTUBE, pneumatic armored tubing, Bailey
Meter Co.

ARMOUR'S, 40% pure coconut liquid soap for rugs, Armour & Co., Industrial Soap Dept.

ARMOWAX, domestic hard wax, Armour & Co.

ARMSTRONG, humidifiers, strainers, pipe line, steam traps, Armstrong Machine Works
ARMS, 1270, nylon, wool press cloth, Arms Textile Mrg. Co.
ARRESTO-MOTH, mothproofing compound, Penn-

ARRESTO-MOTH, mothproofing compound, Fennsalt Chemicals Corp.

ARROW, sponge pads, Arrow Mfg. Co.

ARROW, staplers, staples, staple removers, gum tackers, Arrow Fastener Co., Inc.

ARROW, wood tanks, tubs, cylinders, outside shells, vats and washers, Arrow Tank Co., Inc.

ARROW COVER N PAD, padding for dry cleaning machines, Arrow Mfg. Co.

ARROW LAUNDRO-PAD, laundry press pad, Arrow Mfg. Co.

row Mfg. Co.
ARROW LINE, hat renovating, manufacturing
and blocking machinery, American Hatters Sup-ARROW LONG ARM, long-reach stapler, Arrow

Fastener Co., Inc.
ARROW P22, hand stapler, Arrow Fastener Co., ARSECO, washing compounds and specialties, alcoholic type anti-freeze, Riverside Chemical

alcoholic type anti-freeze, Riverside Chemical Co.

ASBESTALL, blended nylon and asbestos press clotha, U. S. Rubber So., Textile Div.

ASBESTON, Chest-type flatwork ironer cover, U. S. Rubber Co., Textile Div.

ASBESTON, chest-type flatwork ironer cover, U. S. Rubber Co., Textile Div.

ASHVEYOR, pneumatic conveyor system, Brady Conveyors Corp.

ASSEMBLY ARC, fittings to facilitate assembly of garments, Time Savers, Inc.

ASSISTEX, concentrated drycleaning soap, R. R. Street & Co., Inc.

ATEAS, tatex coment, Adhesive Products Corp.

ATLANTIC, non-sour blue, Beach Soap Co.

ATLAS, extractor, Troy Laundry Machinery Div., American Machine & Metals, Inc.

ATLAS, truck bodies, Atlas Body Co.

ATLAS, truck bodies, Atlas Body Co.

ATLAS, FIRE RETARDANT, Bameproof agent, H. Kobastanne T. ARDANT, Bameproof agent, T. ASCRAVITY EXERCISE.

H. Kohnstamm & Co., Inc. ATLAS GRAVITY FEEDER RACK, for flatwork

ironers, Atlas Steel Products, Inc.
ATLAS MOISTURE CONTROL, for control of moisture retention in laundry extractors, Atlas Steel Products, Inc. ATLAS RUST SOUR, sour, H. Kohnstamm & Co.,

ATOMIC, drycleaning systems, wet washers, Hammond Laundry-Cleaning Machinery Co.

ATOMOL, drycleaning Mischinery Co.

ATOMOL, drycleaning Mischinery Co.

ATTASOL, colloidal clay, Attapulgus Clay Co.

ATTASOL, colloidal clay, Attapulgus Clay Co.

ATTOMIS, tur glazo and cleaning fluid, Bernard

Sirotta Co.
AUNTY LINT, static and lint eliminator, Signal Chemical Mfg. Co., Inc.
AUTO-CYCLEN, automatic cleaning washer-extractor, Washex Machinery Corp.
AUTO FEEDER, supply feeder, open end washer, Bull Clover, Inc.

Bill Glover, Inc.
AUTOGRAPHIC, registers, business forms, Autographic Register Co,
AUTO-LEVEL, boiler return system, valves, Spotswood Parker & Co.
AUTO-LITE, gauges, indicating and recording thermometers, Electric Auto-Lite Co.
AUTOMATIC, lubricators, Victor Lubricator Sales Co.

Co.
AUTOMATIC, spray gun, OlsonMark Corp.
AUTOMATIC PALLET LOADER, automatic
stacking of cartons, Lamson Corp.
AUTO-MISER, drycleaning tumbler, Prosperity

Co., Inc.
AUTO-PER, synthetic solvent drycleaning unit,
Vic Cleaning Machine Co.
AUTOSET, a type of free-vane air-operated controller, Bristol Co.
AUTO TROL, automatic control-open end washer,
Bill Glover, Inc.

AVAGLO 20, drycleaning soap, Allen & Vickers,

Inc.
AVITEX, surface active agent, E. I. du Pont de Nemours & Co., Inc.
AXIAL-FLOW, exhaust fan, DeBothezat Fans Div., American Machine & Metals, Inc.
AXTEX, first quality, stiff mud firebrick, Mexico Refractories Co.

AYR-MOR, synthetic drycleaning ext.-washer, But-

ler Mfg. Co.
AZTEX, high heat duty firebrick, Mexico Refrac-

B & B, press pad combination, R. Lally Co. B.N.B., collar support, clasp, loop, J. W. Steele &

B-X, bloodstain remover, John P. Lynch Co BABSOLV, spotter and lubricant, Slater-Robbins

Co., Inc.
BABSTOD, concentrated drycleaning soap, Slater-Robbins Co., Inc.
BABTEX, lipstick and paint remover, Slater-Robbins Co., Inc.

BAB-ZYME, digester, Slater-Robbins Co., Inc. BADGER, break powder, Minnesota Chemical Co. BADGER, liquid soap, Colgate-Palmolive Co. BAFFLE-CRISTE, first quality castable for baffle construction, Mexico Refractories Co. BAG-IT, polyethylene garment bags, National Paper Band Co.

per Band Co.

BAG N' NET, holder, Time Savers, Inc.

BAG-O-MATIC, combined bagger, invoice desk, bag storage rack, Bishop David Freeman Co.

BAG-O-TEER, garment bagger, Bishop David Freeman Co.

BAG-O-TERA, tear-pruf transparent plastic or paper bagging, Bishop David Freeman Co.

BALANCED DRIVE, washers, Troy Laundry Machinery Div, American Machine & Metals, Inc.

BALSAM-WOOL, blanket insulation, Wood Conversion Co.

version Co.

BAN, instant-acting deodorant, Lustrol Drycleaning Products, Div. Patek & Co.

BANNER, lubricator, Lunkenheimer Co.

BANNER BRAND, button, buckle, pinking, fluting,
pleating, darning machines, Maxant Button & BANTAM,

Supply Co.

BANTAM, autographic registers, Autographic Register Co.

BANTAM, laundry washer, Troy Laundry Div., American Machine & Metals, Inc.

American Machine & Metals, and BANTAM, net, Southern Mills, Inc.
BANTAM BLOUSE-MASTER, ladies' blouse and boys' shirt finisher, Forse Corp.
"BANTAM" SHIRTMASTER, one-girl shirt unit,

Forse Corp.

BARBER-COLMAN, electric door operators and controls, Barber-Colman Co.

BARCO, fiexible steam, revolving and swing joints, Barco Mig. Co.

BARCAL, overhead doors, Barber-Colman Co.

BARCAL, overhead doors, Barber-System, Barker

Mfg. Co.
BARKEY, net and marking pins, Barker Mfg. Co.
BAR-MASTER, knitted nylon nets, X. S. Smith,

Inc.
BARNEY, traps, Lakewood Mfg. Co.
BARNEY, traps, Lakewood Mfg. Co.
BARNELED SUNLIGHT, enamels, paints, varnishes, Barreled Sunlight Paint Co.
BARRETT SPECIFICATION, roofing pitch and roofing felt, Barrett Div., Allied Chemical & Dye Corp.

particular to the property of the particular to the property of the particular to th

Freeman Co.

BEACHRITE, built soap, Beach Soap Co.

BEACON, bluing, Hood Chemical Co., Inc., Cres-

BEATS-ALL, covers, nets, padding, Tingue, Brown

& Co.
BEAUTY-BLUE, laundry blue, Speare Co.
BEAUTY-TEX, textile sizing, Signal Chemical
Mfg. Co., loc.
BEAUTY WHITE, soap, Colgate-Palmolive Co.
BEAVER, pipe and bolt cutting and threading
hand tools and machines, Beaver Pipe Tools,

Inc.
BEAVER LUSTER, fur luster, Nycco Products Co.
BEEHIVE, spring padding, Western Laundry Press

CO.

BELL-JO. starch, A. E. Staley Mfg. Co.
BELL-MASTER, mechanical pipe joint for cast-iron
pipe, Dresser Mfg. Div., Dresser Industries, Inc.
BELT-ZIP, belt hanger, Para-Lux Products Co.
BENDA, drycleaning soap, Benda Products, Inc.
BENDASIZE, wet sizing, Benda Products, Inc.
BENDASIZE DRY, permanent dry sizing, Benda
Products Inc.

Products, Inc.
BENDA SOLV, oil paint and grease remover,

BENDA SOLV, oil paint and grease resmover, Benda Products, Inc.
BENDA SPEED, heavy spotter for oil, paint and grease, Benda Products, Inc.
BENDA-ZYME, digester, Benda Products, Inc.
BENDIX, seamless flexible metal hose, Eclipse-Pioneer Div., Bendix Aviation Corp.
BENDIX WEC, washer, Bendix Commercial Laun-dry Div., Avoo Mfg. Corp.
BEN HUR, built synthetic detergent powder, Col-gate-Palmolive Co.

gate-Palmolive Co.
BENTON SOL-TEMP, solvent temperature centrol

BENTON SOL-TEMP, solvent temperature centrol unit. Bentom Bros.
BENZINE, paste dryclerning soap, Fatek & Co.
BENZIOCARDINOLE OXO, detergent, Apex Chemical Co., Inc.
BERGER, steel lockers, shelving, cabinets, bins, benches, desks and tables, Republic Steel Corp.
BERKSOL, drycleaming soap, Stadham Co., Inc.
BERKSUDS, synthetic detergent, Stadham Co., Inc.
BERKSUDS, synthetic detergent, Stadham Co., Inc.
BERKSUDS, synthetic detergent, Stadham Co., Inc.
BERKLUD MOTHSPRAY, mothproofing agent, Berlou MOTHSPRAY, mothproofing agent, Berlou MG. Co.

lou Mfg. Co.
BERSENE BEADS, synthetic detergent, Stadham

BERSONITE, built soaps, Stadham Co., Inc. BESLER, steam generators, superheaters, Besler

Corp.

BESTEEL, stainless steel flatwork ironer padding,
Tingue, Brown & Co.
BESTEEL, straight pins, Fleischer Mills, Inc.
BEST-EVER, asbestos press covers, R. Lally Co.
BEST FORMS, tag identification systems, Best

BESTAPE, nylon flatwork ironer tape, Tingue, Brown & Co.

BESTO, synthetic wetcleaning detergent, Nu-Pro Mfg. Co.
BESTOP, nylon press covers, Tingue, Brown & Co.
BESTOS, asbestos ironer roll dressings, Tingue,

BESTOF, nylon press covers, Tingue, Brown & Co.
BESTOS, asbestos ironer roll dressings, Tingue,
Brown & Co.
BESTWAY, drycleaning soap, Dello Products Co.
BESTWAT, ediophane ribbon, cotton twines, New
York Twine Corp.
BIFURCATOR, duct fan, DeBothezat Fans Div.,
American Machine & Metals, Inc.
BIG BERTHA, laundry and drycleaning tumbler,
Hoyt Mfg. Corp.
BIG BOY, automatic tape sealing machine, Time
Savers, Inc.

Savera, Inc.
BIG CHLEF, truck tires, Mohawk Rubber Co.
BIG CHLEF, two washers, Illinois Laundry Machinery Mfg. Co.
BIG FLO, filters, Butler Mfg. Co.
BIG FLO, filters, Butler Mfg. Co.
BIG FOR, frebrick, Mexico Refractories Co.
BIG 4, stripper, Eaton Chemical & Dyestuff Co.
BIG HORN, bestionite clay, Wyotana Mining Co.
BIG HORN, WYOMING, colloidal clay, Wyotana Mining Co.

BIG INCH, pressure-sensitive tape dispensers, Better Packages, Inc. BIGMOUTH, shake-out tumbler, Purkett Mfg. Co. BIG SAVACE, high heat duty firebrick, Mexico

Refractories Co. BIG SAVAGE SUPER, firebrick, Mexico Refrac-BILLBOARD, match book, Universal Match Corp.
BILLMYRE DRYSET, vacuum system, Lamson

Corp.

BILIT, soap base break compound, Procter & Gamble Distributing Co.

BILVIS-X, detergent and soap builder, Warco La-

BINES, spray painting equipment, Binks Mfg. Co. BIOPALS, germicidal detergents, General Dyestuff

Corp.
BISHOP LAYBACK, collar-former, Bishop David BISHOP LIFETIME TRUCK TUBS, laundry truck tubs, laundry and drycleaning appliances and light production equipment, Bishop David Free-

man Co.

BISHOP TRIANGULAR LAYBACK BUTTONER
POST, dries and preforms collar for layback
blocks, Bishop David Freeman Co.

BISONITE, plastic coating, Washine National
Sands, Inc.

BIXLER, conveyor, National Marking Machine

BLACK BEAUTY STRUT HANGER, hangers, W. A. Laidlaw Wire Co.

BLACK DIAMOND, roosing pitch and felt, Barrett
Div., Allied Chemical & Dye Corp.

BLACK INDIA, marking pens, Samuel Taubman

& Co.
BLACK LINE, knitted padding, Minnesota Chemi-

Cal Co.

BLACK MAGIC, triple strength activated carbon,
Adeo, Inc.

BLACK MAGIC, pipe-sealing compound, gasket
cement, Bowser, Inc.

BLACKMER, rotary hand and power pumps,
Blackmer Pump Co.

BLANCH-STIK, stain remover, Keystone Aniline
& Chemical Co., Inc.

BLANCO, all-fabric stripper, Keystone Aniline &
Chemical Co., Inc.

BLANCO, all-fabric stripper, keystone Anime w Chemical Co., Inc. BLANKETMASTER, blanket washing machine, Hopkins Equipment Co. BLEACH RITE, stripper, Coastal Chemical Corp. BLENCO, rug cleaning sour, Blenco Co. BLIM, low foam rug detergent, Tower Chemicals, Inc.

BLIX, high foam rug detergent, Tower Chemicals,

Inc.
BLOK-RITE, sweater finishing process and machine, Newhouse Specialty Co., Inc.
BLOOD BLASTER, blood stain remover, Ro-Wash
BLOOD-I-CATER, spot remover, W. F. Johnson

Products Co. BLOOD-MUV, stain remover, Package Chemical

Co., Inc.
BLOOD-PLUS, spotting aid, Ink-O Products Co.
BLO-R-VAC, water pickup cleaner-vacuum, Ideal
Industries, Inc.
BLUD-X, concentrated liquid enzyme, Huntington

BLUD-X, concentrated liquid enzyme, Huntington Laboratories, Inc.
BLUE BELL, blue, H. Kohnstamm & Co., Inc.
BLUE BONNET, blue, H. Kohnstamm & Co., Inc.
BLUE-EDGE, aprons, wetwash bags, Lewis National Corp.
BLUE-LABEL, tallow soap, Beach Soap Co.
BLUE LABEL, tallow soap, Beach Soap Co.
BLUE LABEL DARCO DC, activated carbon, Darco Dept., Atlas Powder Co.
BLUE LINE, collar supports, hangers, shirt bands, necktie hangers, Loroco Industries, Inc.
BLUE RIBBON, laundry nets, Southerm Mills, Inc.
BLUE RIBBON, laundry nets, Southerm Mills, Inc.

BLUE RIBBON, polishes, waxes, International Metal Polish Co. BLUE RIBBON, asbestall, foam press covers and combination pad and cover, Norjac Foam &

BLUE RIDGE, leather belting, waterproof leather belting. Charlotte Leather Belting Co. BLUE STAR, feed ribbons, New York Belting & BLUE STREAK "Super D," nylon and dacron nets, Whitehouse Nylon Products

BLUFIXE, sour, H. Kohnstamm & Co., Inc.
BLUFIXE EXTRA-SOLUBLE, sour, H. Kohnstamm & Co., Inc.
BLUREX, sour, Hood Chemical Co., Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 255.

BLU-TINT, sour and blue combination, Johnson Chemical Industries, Inc. BLUTONE, liquid blue, E. F. Drew & Co., Inc. BOB WHITE, bleach, Dello Products Co. BOCK, drycleaning, laundry extractors, Bock Laundry Machine Co. BOCKETTE, open end washers, Bock Laundry

BOCK-O-MATIC, extractors, Bock Laundry Ma-BODYMASTER, two-girl cabinet type shirt unit,

Forse Corp.
BOILA KLEEN, boiler compound, Patek & Co.
BONASOL, textile dyeing assistants, American
Aniline Products, Inc.
BOND, truck casters, Bond Foundry & Machine

Co.
BONDERITE, corrosion-resistant paint, Tropical
Paint & Oil Co.
BOND SET, silica base bonding mortar, Mexico

BOND SET, silica base bonding mortar, Mexico Refractories Co.

BONIS, fur drum, fur sewing machine, Bonis Bros, Fur Machinery Corp.

BON-SPUN, nylon press covering, F. H. Bonn Co.

BON-TEX, nylon press covering, F. H. Bonn Co.

BON-TEX, nylon press covering, F. H. Bonn Co.

BONESTER, shirt unit, Unipress Co., Inc.

BORAX, soap dispensers and soap chips, Pacific Coast Borax Co.

BORGANA, boiler water treatment, Strong, Carlisle & Hammond Div.

BORI-BLUE, sour, Keever Starch Co.

BORNES, charge soap, Borne, Scrymser Co.

BOROCHLOR, liquid bleach, H. Kohnstamm & Co., Inc.

BOROCHLOR, liquid bleach, H. Kommann C.O., Inc.
Co., Inc.
BOSTACS, marking tags, Boston Clip & Tag Co.
BOSTITCH, culf tackers, stapling machine, staples,
Bostitch, Inc.
BO-TY DUO, collar support, Time Savers, Inc.
BOW, collar support, Fackage Masters, Inc.
BOWSER, stills, filters, Bowser, Inc.
BOW-TIE, collar support, Empire Cardboard Corp.
BOY-TIE, collar support, Empire Cardboard Corp.
BOY-TIE, collar support, Empire Cardboard Corp.
BOY-ENTOWN, special motor truck bodies, Boyertown Auto Body Works, Inc.
BRANFORD, oil burners, Malleable Iron Fittings
Co.

Co.

BREADY, beat reclaimers, beat exchangers, storage and water heaters, Ludell Mig. Co.

BREAK-AID, solvent pine oil, Thompson-Hayward Chemical Co.

BREAK-O, break powder, Swift & Co., Industrial Soap Dept.

BREAK-PHOS, soap regenerator, Thompson-Hayward Chemical Co.

BREAK-PHOS, break detergent, E. F. Drew & Co., Loc.

Inc. BREECH LOCK, cast-steel gate valves, Lunken-BRESSLER, controls, Bressler Engineering Service BREX, break compound, Procter & Gamble Dis-

tributing Co.
BRIDGEPORT, copper water tubing, Bridgeport BRIGHTGLO, wetcleaning detergent, Merson

BRIGHTCLO, weteleaning detergent, Merson Products Co.

BRIGHT WHITE, powdered concentrate textile whitener. Ultra White Co.

BRILLIANTONE, sour, G. S. Robins & Co.

BRILLO, press pads, Brillo Mig. Co., Inc.

BRINES-O-LATOR, water-softening equipment, Carey Salt Co.

BRISTO, multiple spline socket set screws, hollow head cap screws, Bristol Co.

BRISTOL, starch, H. Kohnstamm & Co., Inc.

BRISTOL'S, instruments, Bristol Co.

BRITE, paste drycleaning soap, Keystone Anfline & Chemical Co., Inc.

BRITE-WAL, cellophane and paper combination bags, Comet Envelope & Paper Co., Inc.

BRITE-WHITE, laundry blue, Washine Chemical Corp.

Corp.

BRI-TEX, drycleaning soap, Diamond Chemical

Co., Inc.
BRITEX, sours, powdered soap, Van Chemical Co.
BRI-TONE, drycleaning concentrate, Spix Products

Co.

BRIZENE, drycleaning soaps, Patek & Co.
BRIZENE, drycleaning soaps, Patek & Co.
BROADBENT, extractor-laundry-centrifugal, Pinnacle Products Corp.
BROS, boilers, heaters, stokers, tanks, Wm. Bros Boiler & Mig. Co.
BROWNELL, boilers, heat exchangers, stokers, Brownell Co.
BROX dri-cut cardboards, Alfred J. Brooks
BROX-CEX, water conditioning, feeders and chemicals. Bruner Corp.
BRUNNER, water softeners, Bruner Corp.
BRUNNER, air compressors, air conditioners, refirigeration condenser, Bruner Div., Dunham-Bush, Inc.

frigeration condenser, Brunner Div., Dunham-Bush, Inc., mcCleary Bros., Inc.
BRUSHAWAY, mechanized brush spotting machine, McCleary Bros., Inc.
BRUSHENE, hand-brushing soap, Keystone Aniine & Chemical Co., Inc.
BRUSH-KLEEN, brushing soap, Adco, Inc.
BRUSH-KLEEN, brushing soap, Adco, Inc.
BRUSH-OUT, liquid drycleaning soap, Caled Products Co., Inc.
BRYAN, boilers, Bryan Steam Corp.
BRYANT "COMMANDAIRE" TWINS, matched heating and air conditioning upits, Bryant Heater Div., Affiliated Gas Equipment, Inc.
BRYANT TCRYSTALGLAS, glass-lined water heater, Bryant Heater Div., Affiliated Gas Equipment, Inc.
BUBBLE RUB CONCENTRATE, upholstery shampooing soap, Keystone Chemical Co.

BUCKEYE, drycleaning washer, American Cleaners Equipment Co., Div. American Laundry Machinery Co.

BUCKEYE, soaps, spotters, stain removers, suede leather dressing, water repellent, paint, oil and grease remover, rug and upholstery shampoo, deodorants, sizings, Davies-Young Soap Co.

BUCKEYE CLEAN-CHARGE, drycleaning detergent. Davies-Young Soap Co.

BUCKEYE TNT, dry size, Davies-Young Soap Co.

BUFF, alkali compound, special detergents, K. F. Drew & Co., Inc.

Drew & Co., Inc.
BUFFALO, extractor, filter, still, Gross Machinery

Co., Inc.

BULLDOG, nylon laundry nets and press covers,
metal press pads, X. S. Smith, Inc.

BUMINOL, albuminous stains and blood remover, Spix Products Co.

BUNG, special brick for malleable furnaces, dry
press, Mexico Refractories Co.

BUNN, bundle-tying machine, B. H. Bunn Co.

BURBAK, cotton padding, Pittsburgh Waterproof
Co.

BURKAY, water heaters, A. O. Smith Corp., Permaglas Div.

Permagias Div.

BURKS, boiler feed, condensation return feeds, turbine, centrifugal pumps and water system, Decatur Pump Co.

BURMOL, Eston Chemical & Dyestuff Co., BURMOL, Eston Chemical & Dyestuff Co., BURNOUSH, boiler water treatment, Hagan Corp. BURROUGHS, accounting, adding, bookkeeping, calculating, cath-registering machines, business Cochine supplies, Burroughs Adding Machine Cochine supplies, Burroughs Adding Machine

Co.

BUSSARD, spooled pants pocketing, collapsible extractor cover, R. D. Bussard & Co.

BUS-TRUCK CHIEF, truck tires, Mohawk Rubber BUTLER, boiler water treatment, mechanical de-scaler, Butler Engineering Co.

BUTLER, complete drycleaning plant equipment, Butler Mfg. Co.

BUTLER STILL, solvent distillation unit, Butler

BUTONOLE, hub perforating dye tag, Boston Clip & Tag Co.
BUTTON-NO-BUTTON, loop and clasp, J. W.

C

C & S, cleansing powder, Swift & Co.
C. B., drycleaning detergent, Adoo, Inc.
C-H, electrical equipment, Cutler-Hammer, Inc.
C-L, washers, extractors, cylinders, Cummings-Landau Laundry Machinery Co., Inc.
CM, flame retardant, E. I. du Pont de Nemours & Co., Inc.

CM, flame retardant, E. I. du Pont de Nemours & Co., Inc.
CM, ratchet lever, Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp.
CMC FORMULA, sizing and finishing compound, Hercules Powder Co.
CMH, expansion joints, expansion bellows, flexible metal conduit, Flexonics Corp.
C. Q., iron sequestering regenerator, Speedlite Chemicals Co., Div. Patek & Co.
CMP, color work urgeess, H. Kolnstamm & Co.,

CWP, color work process, H. Kohnstamm & Co.,

CABINET, shirt unit, Prosperity Co., Inc.
CABINETROL, control panel equipment, General Electric Co. CABINET-SAN, deodorant, Huntington Labora-

tories, Inc.
CADET, paper products, Cade Paper & Bag Corp.
CALDWELL, tanks and tubs, W. E. Caldwell Co.,

Inc.
CALDYE, dye pads, Calusa Chemical Co.
CALDYE, dye pads, Calusa Chemical Co.
CALECO, drycleaning, laundry, starch extractors,
wood laundry washer, wood cylinders, California
Laundry Equipment Co.
CALED DYE PADS, color restorers, Caled Prod-

ucts Co., Inc.

CALED L.-S, a liquid soap for drycleaning use,
Caled Products Co., Inc. Caled Products Co., Inc.
CALED PRE-SPOTTER, heavy duty pre-spotter,

Caled Products Co., Inc.
CALED RUG SHAMPOO, concentrate, Caled

Products Co., Inc. CALED 630, benzene paste soap, Caled Products

CALLANET, knitted nylon nets, Callaway Mills, Inc.

Inc.
CALL-ette, conveyors, Callette Distributors & Supply Inc.
CALROD. Batiron, General Electric Go.
CAL'S CHARGE, moisture controlling charge soap, Caled Products Co., Inc.
CALSILITE, pipe-covering blocks, Ruberoid Co.
CAL-SIZE, liquid or powder sizing, Caled Products Co., Inc.

CAL-STRIP, liquid concentrated agent, Caled Products Co., Inc. CAL-TEX, saponified oil-solvent blend with soap, Caled Products Co., Inc. CALUSA SHOPTOWEL, dyestuff, Calusa Chemi-

CAMELFORMS, laundry shells, Campbell Box & Tag Co.
CAMELTAGS, laundry tags, Campbell Box &

Tag Co.
CAMEO, starch, A. E. Staley Mfg. Co.
CAMERON, pumps, Ingersoil-Rand Co.
CAMPBELL MICRONETIC, water and signal alarms, J. A. Campbell Co.
CANTON, stokers, steam generators, power plant equipment, Canton Stoker Corp.

CAPITAL, marking tags, U. S. Marking Tag. Co. CAPITAL, posters, streamers for window display, Capital Poster Service. CAPITOL, paint and grease remover, Allen & Vickers, Inc.

CARBO, laundry chemical, Diamond Alkali Co. CARBO-DUR, activated carbon, Permutit Co. CARBONOT, insulators, General Electric Co.

CARBONOT, insulators, General Electric Co. CARBON-TET, synthetic cleaning fluid, E. I. du Pont de Nemours & Co., Inc. CARBOSE CR, special "CMC" product, Wyandotte Chemicals Corp., J. B. Ford Div. CARBOXIDE, fumigant, Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.

Carbon Corp.

CARCOVAN, light truck body, Pacific Car & Foundry Co. CARDOGRAPH, addressograph machine, Address-

ograph-Multigraph Corp.

CAREY, bathroom cabinets, Philip Carey Mfg. Co.

CAREYDUCT, asbestos cement pipe, Philip Carey Mrg. Co. CAREY-SOTE, asbestos cement board, Philip

Carey Mfg. Co. CAREY'S SALT, salt tablets, dispensers, Carey

Salt Co.

CARGILLE-WAGNER, distilling unit for drycleaning. General Clarifier Corp.

CARLTONITE, synthetic detergent laundry washing compound, Carlton Chemical Co., Inc.

CARMET, cemented carbide metal, Allegheny
Ludlum Steel Corp.

CAR-NA-CRETE, rubber floor enamel, Continental

Car Na. Vac Corn

Car-Na-Var Corp.

CAR-NA-LAC, self-polishing beavy-duty floor wax,
Continental Car-Na-Var Corp.

CAR-NA-VAR, upholstery and carpet cleaning
machine, liquid spirit wax requiring buffing,
Continental Car-Na-Var Corp.

Continental Car-Na-Var Corp.

CAROUSEL, revolving changeable letter signs,
Carousel Sign Co.

CAROVAN, truck bodies for use on Chevrolet or
GMC chassis, Universal Sales, Inc.

CARRIER, industrial heating, refrigerator systems,
Carrier Corp.

CARRIER, industrial heating, refrigerator systems, Carrier Corp.
CARRY PACK HANDLES, shirt package or bachelor bundle carrying handle (gummed tape), Carry Pack Co., Ltd.
CARRY PACK TAPE, gummed tape for soaling, Carry Fack Co., Ltd.
CARRY FACK TAPE, gummed tape for soaling, Carry Fack Co., Ltd.
CARTI-TAL, double size platform type collector cart for soiled linen, Paul O. Young Co.
CASCADE, methanical unloading washer, laundry washers, automatic washing control, American Laundry Machinery Co.
CASCADEA, laundry washer-extractor, American Laundry Machinery Co.

Valve Mfg. Corp. CASHMERE BOUQUET, soap, Colgate-Palmolive

CASH'S, woven names, labels, markers, tape, J. & J. Cash, Inc.
CATERPILLAR, diesel engine, Caterpillar Tractor

CO.

CAT TONGUE, press plate for wools, Bishop
David Freeman Co.
CAU-FLAN, flannel cotton pads, X. S. Smith, Inc.
CAUSUL, metal gate valves and cocks, Lunken-

heimer Co. CEDAR SHIELDS, storage bags, paper, various grades and colors, Rassenfoss Bag Co., Inc. CEGLIN, finish for textiles, Sylvania Industrial

Corp.

CELANESE, dyes, American Aniline Products, Inc.
CELA-SOL, paint remover, National Cleaners
Chemical Mig. Co.
CELATINT, this for acetate yarn, American
Aniline Products, Inc.
CELIAO-SAVER, tape sealing machine for cellophane tape, Time Savers, Inc.
CELIO-VU, cellophane bags, Time Savers, Inc.
CELIOFORM, spotter, Keystone Aniline & Chemical Co., Inc.

cal Co., Inc.
CEMENTKOTE, heavy duty oil base cement paint,
Tropical Paint & Oil Co.
CEN-TRA-VAC, centrifugal refrigeration compressor, Trane Co.

CENTURY, motors, generators, Century Electric

CENTURY BRAND, sodium perhorate, Eaton Chemical & Dyostuff Co. CEPI, water conditioning unit, Cepi-American, Inc. CEPI AUTOMATIC, flow controls for water,

Cepi-American, Inc.
CERTI-CIDE, demothing liquid, Certified Chemical & Equipment Co.
CERTIFIED, low-liter neutral soap flakes, Armour

CERTIFIED PILE BRUSH, nap and pile brush, Certified Chemical Equipment Co. CERTIFIED SOLID, neutral solid pack crutcher

CERTIFIED SOUR, rust removing rour, Speedlite Chemicals Co., Div. Patek & Co.
CERTIFIED SUPERIOR, floor polishing machines, Certified Chemical & Equipment Co.
CERTIFODM, uphoistery cleaner, Certified Chemical & Equipment Co.

Chemical & Equipment Co.
CERTI-LAVE, non-rinse rug shampoo, Certified
Chemical & Equipment Co.
CETIC-X, odorless liquid sour, Warco Laboratories
C-96, drycleaning soap, Nu-Pro Mig. Co.
CHACE, automatic washer valves, Chaco Valve
Div., American Laundry Machinery Co.

CHAINVEYOR, light capacity overhead power and manually operated conveyors, U. S. Spring & CHALLENGE, automatic conveyor loader, Chal-

CHALLENGE, annual lenge Mfg. Co.
CHALLENGE-GRANTHAM, automatic tumbler, pre-conditions, fully dries, Challenge Mfg. Co.
CHALLENGER, all types fire extinguishers, American-La France-Fosmite Corp.

CHALLENGER, nylon laundry nets, Whitehouse

Nylon Products

Nylon Products

CHALLENGER, stokers, Link-Belt Co.

CHAMBERS, laundry and drycleaning extractors,

Chambers Extractor Co.

Chambers Extractor Co. CHAMP CLEANER, fur cleaner, Nycco Products

Co.
CHAMPION, automatic tying machine, cable cord,
Thomaston Mills
CHAMPION, Monel press pad, Resillo Co.
CHAMPION, nylon net, Whitehouse Nylon Prod-

CHAMPION, nylon net, Whitehouse Nylon Frouucts
CHAMPION CASCADE, laundry washer, American Laundry Machinery Co.
CHANDLER, button, sewing, tailoring, darning
and mending, culf tacking, blind stitch, Chandler Machine Co.
CHARGAID, dry spotter for charge cleaning,
Eaton Chemical & Dyestuff Co.
CHARGIT, drycleaning detergent with chlorophyll test kit, Nu-Pro Mfg. Corp.
CHASE, brass and copper products, Chase Brass
CHASE, pots remover, Dello Products Co.
CHAT, detergent, General Aniline & Film Corp.,
Special Products Sales Div.
CHATILLON, scales, John Chatillou & Sons
CHEK-TAG, drycleaning identification system,
Best Forms Co.
CHEMKLOS, work clothing, Mine Safety Appliances Co.

CHEM-O-FEEDER, constant rate proportioning

CHEM.O-FEEDER, constant rate proportioning pump, Proportioneers, Inc.
CHEMPUMP, centrifugal pump, Chempump Corp.
CHEM-WEAR, acid and caustic resistant work clothing, M. Setlow & Son, Inc.
CHEVRO, belt cleaner, Samuel Chevlin Co., Inc.
CHEVROLET, motor tracks, Chevrolet Motor Div., General Motors Corp.
CHEVRON-TREDS, molded heavy duty rubber stair treads, American Floor Products Co.
CHEX, laundry mildewproofing agent, Cidex Corp.
CHICAGO, laundry machinery, Chicago Dryer Co.
CHICAGO CYCLE-MATIC, washers and extractors, Chicago Dryer Co.

tors, Chicago Dryer Co. CHICO, alkali soap builder, Wyandotte Chemicals

Corp.
CHIEF, truck tires, Mohawk Rubber Co.
CHIEF COMMERCIAL, truck tires, Mohawk Rub-

CHIEF COMMERCIAL, truck tires, Mohawk Rubber Co.
CHIEF 20, handkerchief ironer, Huebsch Div.,
American Laundry Machinery Co.
CHIEF 25, handkerchief, anpkin ironer, Huebsch
Div., American Laundry Machinery Co.
CHIFFON, ministure bar soap, Armour & Co.
CHILL-AIR, suitcase-window-exhaut, National
Engineering & Mg. Co.
CHINALINE, quick-drying enamel, Barreled Sunlight Paint Co.
CHIORESCO, bleach (calcium hypochlorite),
Cowles Chemical Co.
CHIOR-O-CELL, sweetener, filter powder, JohnsManville

Manville
CHLOR-O-FEEDER, constant rate proportioning

pump, Proportioneers, Inc. CHLOROTHENE, degreasing solvent, Dow Chem-

ical Co.
CHLOROWAX 40, liquid chlorinated paraffin,
Diamond Alkali Co.
CHLOROWAX 70, resinous chlorinated paraffin,
Diamond Alkali Co.
CHLOROWHITE, high phosphate laundry soap,
New South Mfg. Co., Inc.

CHOCTAW, soap builder, Wyandotte Chemicals Corp., J. B. Ford Div.

Corp., J. B. Ford Div.
Corp., J. B. Ford Div.
CHROMALOX, electric heating equipment, Edwin
L. Wiegand Co.
CHROMASOID, anti-corrosion tank lining compound, Fred H. Schaub Engineering Co., Inc.
CHROME CONCRETE, chrome base refractory
concrete, Mexico Refractories Co.
CHROMIX softwatery material, Quigley Co., Inc.

concrete, Mexico Refractories Co. CHROMIX, refractory material, Quigley Co., Inc. CHROMOTEX, rug cleaning detergent, Endriss Chemicals, Inc. CHRYSLER-AIRTEMP, furnaces, boilers, heaters, stokers, Chrysler Corp., Airtemp Div. CIDEX, mildew preventative, deodorant, moth-proofing agent, Cidex Corp. CIMATAG, printed tags and marking tags, Cincinnati Marking Tag & Supply Co.

CIMCO, cament applied to inner surface of tank, Ford Tank Maintenance Co. CINCH, perspiration and grease spotter, Caled

Products Co., Inc. CINDY LOU, sleeve finisher, Wichita Precision

CNDY LOU, sleeve finisher, Wichita Precision Tool Co., Inc.
CINO, carpet, laundry and drycleaning tags, black marking lak, Fleischer Mills, Inc.
CISSELL, boards, boiler feeds, boiler return systems, cuff brusher, driers, drycleaning and laundry tumblers, garment conditioners and sleeve finisher, irons, sporting units and boards, spray guns, W. M. Cissell Mig. Co., Inc.
CLAIM-SAVER, F. W. I. bundle separators, F. H. Bong, Co.

CLAIM-SAVER, F. W. I. bundle separators, F. H. Bonn Co.
CLAIRANESE, cover cloth, Lewis National Corp.
CLARCO, unit heaters, Clarage Fan Co.
CLARK 69, traps, valves, Clark Mfg. Co.
CLAYBRITE, machine clay coated paperboard,
Cornell Paperboard Products Co.
CLAYTON, stoam generators, feed water pump,
water heater, Clayton Mfg. Co.
CLEAN CHARCE, drycleaning detergent, charge
system, Davies-Young Soap Co.
CLEANCUT, pinkers, Maxant Button & Supply
Co.

CLEANCUT, pinkers, Maxant Button & Supple, Co.
CLEANSER 600, alkali cleanser, Solvay Process Div. Allied Chemical & Dye Corp.
CLEANSERTAG, marking tag material, Hollingsworth & Vose Co.
CLEANSELL, promoted synthetic detergent, Speedlite Chemicals Co., Div. Patek & Co.
CLEARSIZE, laundry starch, National Starch Products. Inc.
CLEARSIZE, laundry starch, National Starch Products, Inc.
CLEARCHEW, boxes, bags and cellophane products, Clear View Packaging Co.
CLEARCHEW, boxes, bags and cellophane products, Clear View Packaging Co.
CLEANCHERNOMS, siveni generators, boilers, Cleaver-Brooks Co.

Cleaver-Brooks Co.
Cleaver-Brooks Co.
CLENA-FORM NO. 2, cleaner, polisher and lubricator for shirt units and body presses, College Chemical Co.
CLEVELAND, or g and laundry machinery, Cleveland Rug Cleaning Machinery Co.
CLIMAX, overall marking tags, Risdon Mfg. Co.
CLINTON, laundry starches, Clinton Corn Processing Co.

essing Co.
CLINTON, rug sizing, Clinton Foods Inc.
CLINTON 5L, thick boiling starch, Clinton Foods

Inc.
CLIF-A-TAPE, gummed-tape dispenser, Ideal
Stencil Machine Co.
CLIPPER, belt-lacing equipment, belt cutters and
fasteners, Clipper Belt Lacer Co.
CLIPPER, williams & Sons
LLB, Williams & Sons
CLIR, belt organizer, Time Savers, Inc.
CLO-DEO, freshener, Fumol Corp.
CLOMAK, balanced detergent, Wyandotte Chemicals Corp., J. B. Ford Div.
CLOPAY, hanger protectors, dress guards, Clopay
Corp.

CLOPAY SANITEX, garment storage bags, Clopay Corp. CLORAFIN, chlorinated paraffin, Hercules Pow-

CLOROSHEEN, drycleaning detergent, Riverside Mfg. Co.
CLOTHES-A-CLEAN, combination washer-extractor, laundry washer, rinsing extractor, Forse

COAGULATOR, rapid combination mixing cham-ber and settling basin, Hungerford & Terry,

COAL-CHUTER, belt conveyors, New London COAL-CHUTER, Bull County of the Engineering Co.
COATES, electric boiler. Coates Electric Mfg. Co.
COAT RETAINER, prevents sagging, holds lapels in place, Coat Retainer Co.
COAT-SEAL, interior wall coating, Steelcote Mfg.

COBECO, leather belting, cement, Cornell Belt-

ing Co.
COCHECO, flat leather belting, belt cement,
I. B. Williams & Sons
COCHIN SEB, solvent and synthetic wetting
agent, E. F. Drew & Co., Inc.
COCHRANE, steam power plant equipment, Coch-

rane Corp.
COCOANUT OIL, paste soap, National Cleaners
Chemical Mfg. Co.
COCOGEL, wetcleaning soap, E. F. Drew & Co.,

Inc.
COCOZOP, coconut oil, wetcleaning paste soap.
Package Chemical Co., Inc.
CODE 166, chlorinated solvent dry cleaning.
Daviss-Young Soap Co.
COLCOT, press padding flannel, Southern Mills,

COLDSPRAY, built soap for cool-water washing.

COLIDSFRAT, built soap for cool-water washing. Beach Soap Co.
COLIDWATER NAPTEX, laundry soap, E. F. Drew & Co., Inc.
COLD WATER OZONITE, cold-water soap, Procter & Gamble Distributing Co.
COLD WATER SOL SUDS, soap, Lewis National

Corp.
COLE, leather and suede cleaners and dyers, Cole
Leather Cleaners of America
COLESCO, complete low foaming synthetic detergent, Cowles Chemical Co.

COLGATE CONCENTRATED, liquid soap, Col-

gate-Palmolive Co.

COLGATE FORMULA 20, 25, 40, neutral soap flakes and granulated built soap, Colgate-Palmolive Co.

COLGATE LOW FOAM, detergent, Colgate-

Palmolive Co.

COLGATE WHITE, flake and granulated neutral
white soap, Colgate-Palmolive Co.

COLLARIGHT, collar ironer, shirt-folding machine, Key-Tag Checking System Co.

COLLA-RITES, collar supports, M. H. Gronauer

COLLARMASTER, collar pressing machine, W. H.

Nicholson & Co.
COLOR BRITE, scap, Lewis National Corp.

COLOR BRITE, soap, Lewis National Corp. COLORBRITE, rug and upholstery cleaner, Edelmuth Mfg. Chemists COLOREX, stripping agent, Stauffer Chemical Co. COLORFIEX, sour, H. Kohnstamm & Co., Inc. COLORFIEX, leather dyes and top finish, Enton Chemical & Dyestuff Co. COLOR-GO, powdered stripping agent, A. L. Wilson Chemical Co. COLOR KEEP, fixitive for dye, North American Drye Care.

Dye Corp.

COLORLUME, drycleaning soap, Fry Bros. Co.

COLORSOUT, powder color stripper, Washine
National Sands, Inc.

COLOR SPARK, break powders, Wyandotte

COLOR SPARK, break powders, Wyandotte Chemicals Corp.
COLORSUDS, low-temperature soap, H. Kohnstamm & Co., Inc.
COLOWOLT, fluorescent lamps, fixtures, General Luminescent Corp.
COLOVOLT, fluorescent lamps, fixtures, General Luminescent Corp.
COLSON, wheels, casters, trucks, Colson Corp.
COLTEX, cold-water soap, medium pH, E. F. Drew & Co., Inc.
COLUMBIA, activated carbon, Union Carbide Chemicals Co.

COLUMBIA, activated carbon, Union Carotoc Chemicals Co.
COLUMBIA, blindstitch machines, Columbia Sewing Machine Corp.
COLUMBIA, high pressure steel boilers, Columbia Boiler Co. of Fottstown
COLUMBIA, drycleaning extractors, used and rebuilt machinery, puf irons, valves, Columbia Laundry Machinery Co.
COLUMBIA, drycleaning unit, solvent saver, Columbia Appliance Corp.

lumbia Appliance Corp.
COLUMBIA BF, puff iron, Columbia Laundry

COLUMBIA BF, puff iron, Columbia Laundry Machinery Co.
COLUMBIA GEM, extractor, Columbia Laundry Machinery Co.
COLUMBIA-SOUTHERN, detergents, chemicals, Columbia Southern Chemical Corp.
COMBATT-C corrosion preventative, Adrian Research & Chemical Co.
COMBINATION, cellophane bags for shirts and sweaters, Clear-View Packaging Co.
COMBINATION OFFSET, silk finishing press, Excelsior Machinery Co.

Excelsion Machinery Co.

COMBINER CLIPS, assembling clips, Larton Product Co., Inc.

COMBINETS, laundry nets and fabrics, Davis

Mills, Inc.

COMBINO, padding for flatwork ironers, net,
Tingue, Brown & Co.

COMBO, combination checking desk, bag storage
unit and garment bagger, Rodin Machinery Co.,
Div. Rodin Bros.

unit and garment bagger, Rodin Machinery Co., Div. Rodin Bros.

COMBUSTIONEER, automatic coal burner, humidifiers, Steel Products Engineering Co.

COMBY-H, laundry nets, Davis Mills, Inc.

COMET, electric hoist, Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp.

COMET, extractors, Hammond Laundry-Cleaning Machinery Co.

COMET, sirt finishing unit. Unipress Co., Inc.

COMET, shirt finishing unit. Unipress Co., Inc.

COMET, washing machine, metal, laundry, Henrici Laundry Machinery Co.

COMMANDER, steel framed platform hand trucks, Fairbanks Co.

COMMET, in the sirt of the steel framed platform hand trucks. Fairbanks Co.

COMMERCIAL, soap, Rome Soap Mfg. Co.

COMPACT, low-pressure boiler, Titusville Iron Works Co., Div. Struther Wells Corp.

COM-PAT, soluble fine granular bleach, Martens Chemical Corp.

COMPINO, cotton nets, Tingue, Brown & Co.

COMPO, fiber marking tags, Fleischer Mills, Inc.

COMPO, marking tags, U. S. Marking Tag Co.

COMPOUND 40, general formula spotter, Keystone Aniline & Chemical Co., Inc.

CONCENTRATE 1960, batch system detergent concentrate, Lustrol Chemicals Products, Div. Patek & Co.

CONCO, tokers, Conco Engineering Works, Div.

Patek & Co.
CONCO, stokers, Conco Engineering Works, Div.
H. D. Conkey & Co.
CONDOR, belts, Revolite Div., Raybestos-Manhat-

CONCORD, waz emulsions, Cacord Chemical Co.,

Inc.
CONDO-VAC, return-line vacuum pumps for heating systems, Chicago Pump Co.
CON-D-TEX, mothproofing agent, Research Lab-

CON-D-TEX, mothproofing agent, Research Lap-oratories Corp.
CONDUCTIVITY CONTROL, moisture control for charge system, R. R. Street & Co., Inc.
CONE, towels, diapers and gabardine twill, Cone Mills Inc.
CON-SECU-TAG, identification systems, invoice, combination, marking, and printed tags, Liberty Marking Tag Co., Inc.
CONSEC-U-VEYOR, call office conveyors, gar-ments, White Machine Co., Inc.
CONSTELLATION, 2- and 3-girl shirt finishing units, Unipress Co., Inc.

units, Unipress Co., Inc.
CONTINENTAL AUTOMATIC BOILER, steam
generators and packaged boilers, Boiler Engineering & Supply Co., Inc.

CONTINENTAL 18, self-polishing heavy-duty liquid floor wax, Continental Car-Na-Var Corp. CONTINUOUS FLOW, washer, Bill Glover, Inc. CONTIN-U-RAIL, rail parts and fittings for speed rail, White Machine Co., Inc. CONTIN-U-VEYOR, mechanized garment hanger and trolley converts foot press into air-operated press, New York Pressing Machinery Corp. CONVENTIONAL, asbestos F. W. I. padding, Gibraltar Fabrics, Inc. CONVEY-MASTER, call office conveyor, Forse Corp.

COOK EXTRACTOR, extractors, laundry, Cook Machinery Mfg. Co., Inc. COOK WASHETTE, open end washer, Cook Ma-

chinery Co., Inc.
COOLAR, fans, ventilating systems, American
Coolair Corp.
COOLIDGE, pad savers, Ink-O Products Co.
COOLIDGE GRID, press pad, John E. Coolidge

CO.
COOPER, pressing stands, bucks, tables, from carriers, H. P. Cooper & Co.
COOPER-BESSEMER, compressors, diesel and gas engines, Cooper-Bessemer Corp.
COORDINATED PROCESS CONTROL, auto-

matic control, Bristol Co.
COPALITE, interior varnish, Barreled Sunlight Paint Co.
COPR-TUBE, copper tube fittings, Dresser Mfg.
Div., Dresser Industries, Inc.
CORONET, synthetic solvent drycleaning unit,
Detrex Chemical Industries, Inc.
CORRUFLEX, expansion joint, American District
Steam Co. Inc.

Steam Co.. Inc. CONVEYOR, belt conveyors,

COST CUTTER CONVEYOR, belt conveyors, New London Engineering Co.
COTTAGE, steel direct-fired water heater, oilgas, Xewanee Boiler Corp.
COTTONBLOSSOM, flatwork ironer padding and canvas baskets, Southern Mills, Inc.
COUNTERBOY, carton and package taping machine, Better Packages, Inc.
COUNTERFLOW, automatic 10-washer counterflow laundering unit, International Laundry Equipment Co.

flow laundering unit, International Launder, Equipment Co. COUNTERVEYOR, counting conveyor, Leebaw

Mfg. Co. COVCO, poster frames, Coventry Products Co.,

Inc.
COV-EEZ, garment hanger shields, Larton Products Co., Inc.
COVERDUX, cotton roll covers, Tingue, Brown &

CRANE, plumbing fixtures, Crane Co. CRAVA-KLEEN, detergents, Cravenette Co., CRAVACO, finishing compounds, Cravenette Co.,

U. S. A.

CRAVASET, drycleaning sizing and finishing agent, Cravenette Co., U. S. A.

CRAVENETTE, water repellent, Cravenette Co.,

CRAVENETTE, water repellent, Cravenette Co., U. S. A.
CREAM FINISH, starch lubricant, Lewis National Corp.
CRESCENT, belt fasteners, plates, rivets, rivet extractors, Crescent Belt Fastener Co.
CRESCENT, laundry chemical specialty items, Hood Chemical Co., Inc., Crescent Div.
CRESCENT, try-cocks, Wright-Austin Co.
CREST, nylon laundry and dacron nets, Fablok Mills, Inc.
CREST, starch, A. E. Staley Mfg. Co.
CRESTEX, sour, Hood Chemical Co., Inc., Crescent Div.
CRISP, water soluble sizing, Stamford Chemical Co.

CO.

CROSBY, gauges, valves, Crosby Steam Gauge & Valve Co.

CROWN, electric-steam irons, steam generators, electric irons, Crown Mfg. Co.

CROWN, laundry nets, Davis Mills Inc.

CROWN, starch, A. E. Staley Mfg. Co.

CRUCAST, steel castings, Crucible Steel Co. of America

America
CRUCIBLE, stainless steel laundry equipment,
Crucible Steel Co. of America
CRUSADER, nets, cover cloth, double-face flannel, cover duck, Egan Cotton Mills
CRUSCA, drill steel, Crucible Steel Co. of

CRYSTAL VICTOR, laundry starch, Keever

Starch Co. CRYSTAMET, sodium metasilicate, Cowles Chemical Co.

C/8 DETERGENT, charged system detergent,
Adrian Research & Chemical Co.

CUB JR., steam trap, Wright-Austin Co.

CUFF BRUSHER, rotary cuff cleaner, Excelsion

Machinery Co. CUFF TACKER, sewing machine, Chandler Ma-

CULLIGAN, water softening and conditioning

CULLIGAN, water softening and conditioning equipment, Culligan, Inc.
CUMMINGS-LANDAU, laundry equipment, Cummings-Landau Laundry Machinery Co., Inc.
CURE-CRETE, concrete curing agent, The Peters Co., Div. Toledo Paint & Chemical Co.
CURRY, feed ribbons, J. W. Curry Co.
CURRIS, air conditioners, compressors, condensers, hoist, tanks, Curtis Mfg. Co.
CUSHNTOP, buk-cover and buk-pad, Bishop David Freeman Co.
CUSTOM, electric steam generators, Custom Engineering Co.
CUSTOM, shoulder finisher, and chance Bellice.

CUSTOM, shoulder finisher and shaper, Hopkins Equipment Co.

CUSTOM-AIR, large building heating and cooling equipment, Trane Co.
CUTLER-HAMMER, electrical equipment, motor control, Cutler-Hammer, Inc.
CYANEGG, sodium cyanide, E. I. du Pont de Nemours & Co., Inc.
CYCLAMATIC, laundry washer control, American Laundry Machinery Co.
CYCLO, heavy prespetter, R. R. Street & Co., Inc. Inc.
CYCLONE, exhaust head, Wright-Austin Co.
CYCLONE, hand power hoist, Chisholm-Moore
Hoist Div., Columbus McKinnon Chain Corp.
CYCLONE, washer, Henrici Laundry Machinery Co.
CYCLONE CONVEYORS, pneumatic conveyors,
Eastern Cyclone Conveyor Systems, Inc.
CYCLONE COUNTING MACHINES, automatic
counters for towels, diapers, etc., Eastern Cyclone Systems, Inc.
CYCLOPS, needle bearing, Roller Bearing Co. of America CYCLO "S", soapless prespotter, R. R. Street & CYCLO "5", soapiess presponer, R. A. Sueec & Co., Inc.
CYCLOTHERM STEAM GENERATORS, package type boiler, automatic oil or gas fired, Cyclotherm Div., U. S. Radiator Corp.
CYLON, wetcleaning detergent, Patek & Co.

D D & R CONTROLS, time & temperature tumbler controls, D. & R. Controls.

DCT, drycleaning tumblers, Western Laundry Ma-DA-CO, chemicals, cleaners, Davis-Weil Mfg. Co. DACROTEX, dacron ironer cover cloth, X. S. DACROTEA, uncluded and some constant of the co DAILY DELIVERY, marking tags, Fittsburgh Tag Co.

DAINTEX, wetting agent, Hercules Powder Co.
DAINTEX, terrous-base machine parts, Amplex Div., Chrysler Corp.
DAMIT, pipe joint compound, Quigley Co., Inc.
DAMP-TEX, enamel, Steelcote Mfg. Co.
DANDUX, canvas baskets, hampers, bags, trucks,
C. R. Daniels, Inc.
DANTEX, canvas baskets, hampers, bags, trucks,
C. R. Daniels, Inc.
DARNELL, wheels, casters, gliders, rubber bumpers, Darnell Corp., Ltd.
DATERETTE, dating machine, American Numbering Machine Co.
DATEX, daron F. W. I. cover, Gibraltar Fabrics, Inc. Inc.
DAVIS, controls, regulators, valves, Davis Regulator Co.
DAVIS, first-aid and emergency equipment, Davis Emergency Equipment Co., Inc.
DAVIS, press plates, flexible metal hose, Bishop David Freeman Co.
DAVIS, overall tags, Keyes-Davis Co.
DAVIS, shirt unit, Prosperity Co., Div. Ward Industries Corp. DAVIS NETS, laundry nets, Davis Mills Inc.
DAVIS NETS, laundry nets, Davis Mills Inc.
DAVIS OVERALL TAG, brass permanent marker,
Keyes-Davis Co.
DAVIS TAG, permanent overall marker, Keyes-Davis Co.
DAVIS Z, laundry net, Davis Mills Inc.
DAVOTEX, leather cleaning and redyeing, C. O.
D. Cleaning & Dyeing Co.
DAY-SOL, chlorinated solvent drycleaning soap,
Davies-Young Soap Co.
DC-15, size for synthetics, for drycleaners, Keever
Starch Co.

Starch Co.
DC FILTROL, adsorbent filter powder, Filtrol DC FILTROL, adsorbent must prove the Corp.
Corp.
DCT-54, dry cleaning tumbler, Western Laundry Machinery Co.
DEAN HILL, centrifugal industrial power pumps, steam turbines, Dean Hill Pump Co.
DECAL, water softener, Washine Chemical Corp.
DECALCOMANIA, truck lettering, pictorials, nameplates, window signs and valances, Meyer-cord Co. DEENATE, insecticide, E. I. du Pont de Nemours & Co.. Inc.

DEFENDER, regulators, recording instruments,
Defender instrument & Regulator Co.

DEFENDER, steel pins, safety pins, hanger assembly clips, Oakville Co. Div., Scoville Mfg. DEFLOC, laundry detergent, Cowles Chemical DEHYDRATINE 2A, water repellent, A. C. Horn DEMITIRATINE MA, water repellent, A. C. Horn Co., Inc. DELIBLE, ink remover, Warco Laboratories DE-LIMER, lime solvent, E. F. Drew & Co., Inc. D-LINTER, static grounding device, Wichita Precision Tool Co., Inc. DELIVERY PANEL BODIES, delivery truck bodies for chassis with Cowl motor truck, Boyertown Auto Body Works DELIVRAIL, delivery truck, Marmon-Herrington Co., Inc. DIPLOMAT, synthetic solvent drycleaning unit, Detrex Chemical Industries, Inc. DIP-O-MATIC, water repellent dip tank, Hopkins Equipment Co.

DELLOSOAP, drycleaning soap, Dello Products Co.
DELUXE, sizing, Huron Milling Co.
DELUXE, asbestos press covering, F. H. Bonn Co.
DE LUXE, asbestos press covering, F. H. Bonn Co.
DE LUXE MIRZA, automatic rug cleaning machine, American Laundry Machinery Co.
DE LUXE STRING, cord, Milwaukee Printed DE LUXE STRING, cord, Milwankee Printed String Co.
DEMING, pumps, Deming Co.
DEMING, pumps, Deming Co.
DEMING, Co., Inc.
DENOMINATOR, tabulating machines, Denominator Company, Inc.
DEDODOR, deodorant, Patek & Co.
DEODOR, deodorant, Patek & Co.
DEODORIZED APCO 125, drycleaning naphths, Anderson-Prichard Oil Corp.
DESOIL, break powder, Cowles Chemical Co.
DE SOLV, oil, paint and grease spotter, Benda Products, Inc.
DESTAINER, penetrating soap, A. L. Wilson Chemical Co.
DESTE, automatic regulating valves, strainers, etc., D'Este Div., Kaye & MacDonald, Inc.
DETECTO, scales, Detecto Scales, Inc.
DETERGENT N, drycleaning soap, Allen & Vickers, Inc. ers. Inc.
DETERGEX, wetcleaning detergent, Dixo Co.
DETERSYN, detergent for use with chlorinated
solvents, Riverside Mfg. Co.
DETEX, watchmen's clocks, Detex Watchclock Corp.

DETREX, drycleaning equipment, B. & G. call office conveyors, baggers, Detrex Chemical Industries, Inc.
DETROIT, belt lacers, belt cutters, Detroit Belt Lacer Co.
DETROIT, valves, W. M. Chase Co.
DEVILBISS, compressors, spray guns, hose, De-Vilbiss Co.

DEWEY-SHEPARD, gas and oil fired boliers
and water heaters, base-panel radiation, wintersummer air conditioner, Dewey-Shepard Boiler DEXBEST, dacron ironer cover, Whitehouse Nylon Products

DEXCO, dacron flatwork ironer cover, Whitehouse Nylon Products
DEX-KNIT, dacron laundry net, Whitehouse Nylon Products
DEXTAPE, flatvork ironer tape, Whitehouse
Nylon Products DIAL, miniature bar soap, Armour & Co.
DIAL-A-MATIC CONVEYORS, laundry and drycleaning call office conveyors, Detrex Chemical Industries, Inc.
DIAL-MASTER, automatic washer control, Norman Control Co.
DIAL-O-TIMER, laundry formula timer, Norman DIAL-TROL, call counter conveyor control, Na-tional Marking Machine Co. DIAMO, stripper, stain remover, Lewis National Corp.

DIAMOND, ball, revolving and swing joints,
Diamond Metal Products Co.

DIAMOND, chains, couplings, Diamond Chain Co., Inc. DIAMOND, knitted nylon nets. Whitehouse Nylon DIAMOND, laundry chemicals, Diamond Alkali Co.
DIAMOND, water-treatment compounds, Oshkosh
Filter & Softener Co.
DIAMOND, wire garment hanger, Diamond Wire
Hanger Co.
DIAMOND BLUE, laundry bluing, Diamond Alkali Co.

DIAMOND DRYCLEANER, chlorinated cleaning solvent, Diamond Alkali Co.

DIAMOND O & W COMPOUND, detergent, Diamond Alkali Co.

DIAMOND FERCHLORETHYLENE, synthetic drycleaning solvent, Diamond Alkali Co.

DIAMOND T, motor trucks, Diamond T Motor Car Co. DIAMOND TAG, identification system, Dillard Paper Co.
DIAMOND "W," laundry soaps, Los Angeles Soap Co.
DIASAN, diaper sanitizer, H. Kohnstamm & Co., Inc.
DIAZOCEL, for dyeing Celanese and acetate silks, American Aniline Products, Inc.
DIAZYME, enzymic digester, Jacques Wolf & Co.
DICALITE 7, filter powder, Dicalite Dept., Great
Lakes Carbon Corp.
DICALITE SPEEDPLUS, straight diatomite filter
powder, Dicalite Dept., Great Lakes Carbon Corp.

DICALTE SWEETENER, sweetener, filter powder, Dicalite Dept., Great Lakes Carbon Corp.

DIEHL, electric motors, fans, Diehl Manufacturing Co., Div. Singer Mfg. Co.

DI/EN, digester, John P, Lynch Co. Difestall, digester, john F., Lynch Co.
DiGESTALL, digestive agents, Package Chemical
Co., Inc.
DiGESTEX, fortified enzymic digester, Lustrol
Drycleaning Froducts, Div. Patek & Co.
DIGESTIT, eazymic digester, Riverside Mfg. Co.
DIFCRAFT, advertising ballooms, Dipcraft Mfg.
Co.

DIRTEX, IMPROVED, break compound, Patek & Co. DI-SAN, liquid disinfectant, Tower Chemicals, Inc.
DISAPPERO, spotting compound, Fry Bros. Co.
DISCOVERY, handkerchief fluffer, Huebsch Originators, Div. American Laundry Machinery Co.
DI-SOLVENT, diluent for leather dyes, Nu-Pro Mig. Co.
DISPERSO silk and wool drycleaning soap, Spix
Products Co. Products Co.
DIS-PER-SOL, break powder, Thompson-Hayward Chemical Co.
DISPLAY-IT, shirt display cases, Time Savers, DISTILLENE, drycleaning soap, Keystone Aniline & Chemical Co., Inc.
DIVCO "DIVIDEND SERIES", trucks, Dives DIVCO MULTISTOP, delivery vehicles, Divco DIVERTI-FLO, automatic air controls, Manitowec DIVERTI-FLO, automatic air contruis, Manituwee Engineering Co.
DIVIDEND SERIES, delivery truck, Divco Corp.
DIXLE, Borons, Minnesota Chemical Co.
DIXLE, Japrons, Minnesota Chemical Co.
DIXLE, Jagons, Minnesota Chemical Co.
DIXLE, Jagons, Francesta Chemical Co.
DIXLE, Jagons, Francesta Communication of the Communication of DIXON WATERFALL, Scotch marine boiler, Dixon Boiler Works
DIXOTEX, wet or dry spotter, Dixo Co.
DIZOLV-IT, oil remover, Kliegman Bros., Inc.
DO-ALL, built anionic, synthetic detergent, Armour & Co., Industrial Soap Dept.
DOBBY, mothproofing concentrate, Jay-Dee, Inc., Mfg. Chemists
DOCTOR BOILER, boiler water treatment compound, Doctor Boiler, Inc. pound, Doctor Boiler, Inc. DOCTOR SPOTGESTER, prespotter, Dello Products Co.
DODGE POWER GIANTS, motor trucks, Dodge
Div., Chrysler Corp.
DODSON, business insurance, Bruce Dodson & Co.
DOG TEX, treatment for cat and dog stains,
Hild Floor Machine Co.
D-1, controlled suds, Reslabs, Inc., Div. Linco Products Corp.

DORAN, hat machinery, Hatters Supply House, Inc.
DOR TU DOR, Ford house to house delivery bodies, Universal Sales Inc.
DOUBLE CHECK, zeolite water softener, Elgin Softener Corp.
Softener Corp.
DOUBLE DUTY SOUR, sour and blue combination, Diamond Alkali Co.
DOUBLE-VALVE, blanket brusher, American
Laundry Machinery Co.
DOUBLE-WEAR, apron duck, cover cloth, nets.
Lewis National Corp.
DOUBLE WING, collar support, Empire Cardboard Corp. board Corp.
DOUGLAS, corn starch, thin boiling starch, Penick & Ford Ltd., Inc.
DOVER DYPERCAN deodorized diaper container, Dover Stamping Co.
DOWCLENE, synthetic cleaning solvent, Dow
Chemical Co.
DOWEX RESIN, water softening equipment, Dow Chemical Co.

DOWFUME V, fumigant, Dow Chemical Co.

DOWNY DIPE, textile softener liquid with germicidal agent for diapers, Marlyn Chemical Co., cidal agent for diapers, Marlyn Chemical Co., Inc.

DOW-PER, synthetic solvent, perchlorethylene, Dow Chemical Co.,

DRAIN-DRI, cellar drainers, Yeomans Bros. Co.,

DRAIN-TROE, condensation drainage device, Fred H. Schaub Engineering Co., Inc.

DRAPER-EZE, blanket and drapery steam-air finisher, Draper-Eze Equipment Co.

DRAPER-FORM drapery steam finisher, Garment Finishing Equipment Co.

DRESYN-SPORT, dress and sport shirt folding machine, Bishop David Freeman Co.

DRESYS-PORT, dress and sport shirt folding machine, Bishop David Freeman Co.

DRESSE, clamps, couplings, fittings, Dresser Mfg. Div., Dresser Industries, Inc.

DREST, paste type leather finisher, Caled Products Co., Inc.,

DREW, ioner oil, E. F. Drew & Co., Inc.

DREW 90 PLUS POWDER, soap plus medium ph alkal builder and water conditioner, E. F.

DRES-HEEN, trichlorethylene solvent, Detrex Chemical Industries, Inc.

DRESSER, Eden of the Company of the Co., Inc.

DRESSER, DRESSER, Standard of the Co., Inc.

DRESSER, D Co.

DRI-CLOR, dry powdered laundry bleach, Pennsalt Chemicals Corp.

DRICO, air cleaners, filters, separators, strainers, Drico Industrial Corp.

DRIEX, water-soluble water repellent, Keystone Aniline & Chemical Co., Inc.

DRI-FLO DIPTT, indelible laundry and drycleaning marking set, Dri-Flo Mfg. Co.

DRI-HAND, dampener and moisture regulator, J. W. Steele & Co.

DRI-RINSR, drycleaners' sour, Johnson Chemical DRI-RINSE, drycleaners' sour, Johnson Chemical Industries, Inc.

DRISEAL, shirt bands, Driseal Co.

TRADE NAMES DRI-SHEEN, alkaline detergent, Adco, Inc. DRI-SHEEN PROCESS, charged system method of cleaning, Adco, Inc.
DRISIZE, synthetic resin sizing for use in petroleum solvent, Eaton Chemical & Dyestuff Co.
DRI SPOT, volatile dry spotter, Coastal Chemical Corp.

DRI-STEAM, air cleaners, filters, separators, strainers, valves, Drico Industrial Corp.

DRISUDZ, laundry alkaline soap, Cowles Chemical Co. DRISYN, drycleaning detergent, E. F. Drew & Co., Inc. DRI-TEX, drycleaning detergents, Spix Products Co.

DRITHERM, infra-red heat lamps, North American Electric Lamp Co.

DRI-TOP, ironing board, Bishop David Freeman Ca.
DRI-TRI, anhydrous trisodium, A. R. Maas
Chemical Co., Div. Victor Chemical Works
DRI-VAC, vacuum system, presses, Rema Corp.
DRO-GO, spotting agent, A. L. Wilson Chemical Co.
DROP-A-NUF, lubricant and spotting additive, SPOTGESTER, prespotter, Dello Products Co.

DRUCLOR, powdered hypochlorite bleach, E. F.
Drew & Co., Inc.
DRUM MASTER, fur cleaning drums, Walter Haertel Co.

DRUMMOND, soaps, oils, detergents, Standard
Soap Co., Div. Concord Chemical Co., Inc.

DRUSOAP H, high-titer neutral soap, E. F. Drew & Co., Inc.
DRUSOAF P, high-titer 98% neutral soap, E. F.
Drew & Co., Inc.
DRUZOL, heavy-duty detergent, E. F. Drew & Co., Inc. DRY BRIGHT, liquid wax for floors, Riverside Chemical Co.
DRY-CAL-SIZE, liquid sizing for solvent sizing,
Caled Products Co., Inc.
DRY CHEMICAL, fire extinguishers, American-La
France-Foamite Corp.
DRY CHLORESCO, double action bleach, Cowles Chemical Co.

DRYCLEAN, spot remover, E. I. du Pont de
Nemours & Co., Inc.

DRYCO, spotting units, finishing equipment an
steam condensers, Bishop David Freeman Co.

DRYCOMATIC, steam-electric iron, Bishop David Freeman Co.

DRYCON, dry size, Wallerstein Co., Inc.

DRYER, by COOK, laundry tumbler, Cook Machinery Co., Inc. chinery Co., Inc.

DRYERETTE, laundry tumbler, gas, steam or electric, Hoyt Mfg. Corp.

DRYERETTE, Hs, driers, gas, electric or steam, Hoyt Mfg. Corp.

DRYETTE, water repellent, Cravenette Co., U. S. A. U. S. A.

U. S. A.

DRY EXSIZE-T, desizing agent for removal of starch-base sizes, Pabst Brewing Co., Industrial Products Div.

DRYGESTER, dry spotter, Smith Bros. Co., DRY MASTER, clothes tumbler, National Dryer Mfg Co. Mrg. Co. DRYMASTER, drying cabinets, Hopkins Equip-DRYMET, anhydrous sodium metasilicate, Cowles Chemical Co.

DRY-O-MATIC, signal and alarm control for tumblers, Rosenthal Mfg. Co.

DRYORTH, anhydrous sodium orthosilicate, Cowles Chemical Co.

DRY-O-WET, spot remover, Slater-Robbins Co. DRYSEQ, anhydrous sodium sesquisilicote, Cowles DRYSEQ, anhydrous sodium sesquisilicote, Cowles Chemical Co. DRYSET, air vacuum systems, Lamson Corp., Blower Div. DRY-SIZE, dry size, R. R. Street & Co., Inc. DRY SFOTTER, volatile grease and paint re-mover, Lautrol Drycleaning Products, Div. Patek & Co. DUAL, steam traps, American District Steam Co., Inc. DUAL, steam traps, construction of the corp.

DUALCRAFT, press pads, Padcraft Corp.

DUAL-DUTY TAG-O-LECTRIC, tag-marking and attaching machine, Textile Marking Machine Co., Inc.

DUAL FILM-a-RECORD, micro-filming machine, Remington Rand, Inc.

DUBL-DUX, dry water repellent, Eaton Chemical-Dyeatuff Co.

AULTI-SHINGLES, asphalt roof-DUBLEOUX, dry water repellent, Eaton ChemicalDyestuff Co.

DUBLECOTE MULTI-SHINGLES, asphalt roofing shingles, Barrett Div., Allied Chemical &

Dye Corp.

DUBLIFE, replacements for collars, cuffs, neckbands and trouser pockets, Dublife Collar Co.

DUCO, finishes, E. I. du Pont de Nemours &

Co., Inc.

DUFFEL, laundry nett, Southern Mills, Inc.

DUKE, trouser guards, suit, dress and drape
hangers, Pittsburgh Hanger Co., Inc.

DU-LITE, enamel gloss white, E. I. du Pont de
Nemours & Co., Inc.

DUNAWAY, digesters; spotting agents and removers; drycleaning soaps, H. D. Dunaway and

Co.

DUO, doublewing collar support, Time Savers,

DUO-DRI, twin dryers, gas or steam, Hoyt Mfg.

DUO-FLO, pressure filter, Morey Seldin Machin-ery Corp.

DUO-MATIC, washers and extractors, Prosperity Co., Div. Ward Industries Corp. DUO-NYL, nylon expander pad covers, F. H. Bonn Co. Co., Div. Ward Industries Corp.
DUO-NYL, nylon expander pad covers, F. H.
Bonn Co.
DUO-Q-Limit switches, General Control Co.
DUO-TEX CONC, drycleaning soap, Keystone
Aniline & Chemical Co., Inc.
DUO-WHITE, powdered form in individual envelopes, Kaleen Chemical Corp.
DUPLEX, shirt transporter, Time Savers, Inc.
DUPLEX, shirt transporter, Time Savers, Inc.
DUPLEX, staty alcohol sodium sulfate, E. I.
du Font de Nemours & Co., Inc.
DUPNOL, fatty alcohol sodium sulfate, E. I.
du Font de Nemours & Co., Inc.
DURABILT, laundry and drycleaning washer,
Gardner Machinery Corp.
DURACAL, covers and padding combinations,
Fatek & Co.
DURAFLEX, stokers, Canton Stoker Corp.
DURAYAN, truck bodies for use on Dodge trucks,
Universal Sales, Inc.
DURO, press covers, R. Lally Co.
DURO, fiber sheet packing, Raybestos-Manhattan, Inc. hattan, Inc.

DURONITE 2000, textile flame retardant on dry side, Signal Chemical Mfg. Co.

DUROTEX, press covers, R. Lally Co.

DUST-PROOF, sweeping compound for floors, Riverside Chemical Co.

DUST STOP, air filters, Owens-Corning Fiberglas Corp. glas Corp.

DUTCH-MILL, diaper and diaper can deodorants, Van Chemical Co.

DU-TEX, stain remover, Warco Laboratories

DUTTON, boilers, pumps, Hapman-Dutton Co.,

DUX COTE, water repellent, Eaton Chemical &

Dyestuff Co.

DUX-IT, solvent-soluble water repellent, Key
stone Anline & Chemical Co., Inc.

DWYER, gauges, indicators, meters, F. W. Dwyer

Mig. Co. Mig. Co.
DYCO-SIZE, garment retexturing compound,
Davies-Young Soap Co.
DYDROSITE, stripping agent, Nu-Pro Mig. Co.
DYDROSITE, stripping agent, Nu-Pro Mig. Co.
DYE PADS, pads for "spot dyeing," Caled Products Co., Inc.
DYEPEN, Eaton Chemical & Dyestuff Co.
DYNAHUE, laundry detergent, Pennsalt Chemical Co. cals Corp.
DYNA-MATIC, open-end washer, Hammond
Laundry-Cleaning Machinery Co.
DYNAMIC DUMPER, unloading washer, Miller
Laundry Machinery Co.
DYNASOPE, concentrate, drycleaning filter soap
with antiseptic and mothproofing, A. F. Wolke DYNEL, Union Carbide Chemicals Co., Div. Union Carbide Corp.

DYO-FLEX, dyes, finishes for leather, Dyo Chemical Co.

DY-100, liquid drycleaning soap, Davies-Young Soap Co. DYPERCAN, sanitary diaper cans, Dover Stamping Co.
DYSCO, wetcleaning silk and wool soap, Davies-Young Soap Co.
DYSOLVO, soap, Davies-Young Soap Co.
DY-SULPH, synthetic wetcleaner, Davies-Young Son Co.

DYTINT BLUE, bluing for use in washing machines, North American Dye Corp.

DYTINT DYE, dye for use in washing machines, North American Dye Corp.

DYWHITE, whitener for use in washing machines, North American Dye Corp.

R

EA, drycleaning presses, Prosperity Co., Div. Ward Industries Corp.
E-C, soap systems, loading hoppers, lint collectors, piece counters, conveyor, Eastern Cyclone Conveyor System, Inc.
EEEE, drill steel, Crucible Steel Co. of America Froducts, Inc.
EZ, drycleaning soap. Dello Products Co.
EZ, plastic bagger, EZ Packaging Corp.
EZDS, presses, Prosperity Co., Div., Ward Industries Corp.
EAGLE, safety cans for storing and handling all kinds of volatile or flammable liquids, Eagle Mfg. Co.
EAGLE CLAW, hooks, eyes and loops, Oakville Co. Div., Scoville Mfg. Co.
EASTON, woven cotton belting, Victor Balata & Textile Belting Co.
EASY, vertical and horizontal solvent pumps, exhaust fans, Easy Industries
EASY-ON, wood strut hanger, Nagel Coat Hanger Co. Co.

EASY PRESS, manually operated drycleaning press, Goldman Pressing Machine Corp.

EASY-TO-SEW, replacement collars, Zuckerberg

BCCO, blues, ironer oil, spot removers, repellents, prespotters, tints, soaps, Eaton Chemical & Dyestuff Co.

ECCODUX, dry water repellent, Eaton Chemical & Doublet of the control of the

ECCOFORM, dry spotter, Eaton Chemical & ECCO KOBO, odor neutralizer, Eaton Chemical & CCO KOBO, odor neutralizer, natural composition of the Co.

ECCOSIZE, size, wet side, Eaton Chemical & Dyestiff Co.

ECLIPSE, laundry and drycleaning power plant equipment, boilers, steam generators, controls, pumps, valves, Eclipse Fuel Engineering Co.

ECLIPSE PIONEER, flexible metal hose, Eclipse Pioneer Div., Bendix Aviation Corp.

ECO, hand cream, Davis Emergency Equipment Co. Inc.

Co., Inc.

ECO, watchmen's clocks, Detrex Watchclock Corp.

ECONO, drycleaning soap, Package Chemical Co., Inc.
ECONO, sour, Diamond Alkali Co.
ECONO, synthetic solvent drycleaning unit, Vic
Cleaning Machine Co.
ECONO-CAL, drycleaning detergents, Caled Prod-

ECONO-CAL, drycleaning detergents, Caled Products Co., Inc.
ECONOFEED, boiler feed pump and condensate return system. Hapman-Dutton Corp.
ECONOMASTER, boiler, Hapman-Dutton Co., Div. Ward Industries Corp.
ECONOMIC, boilers, Erie City Iron Works ECONOMIC, boilers, Erie City Iron Works ECONOMIST, boiler, Hapman-Dutton Co.
ECONOMITE REGISTERS, autographic registers, Autographic Register Co., Autographic Register Co., ECONOMIZER, boiler, Hapman-Dutton Co.
ECONO MOISTLESS, paper bands, Economy Tablet & Paper Co.
ECONOMY, drycleaner's bag, Diem & Wing Paper Co.

Co. ECONOMY, hanger bar covers, Phoenix Products

CONOMY, marking pins, Keyes-Davis Co.
ECONOMY nylon net Tingue, Brown & Co.
ECONOMY MODEL PARIS, steam-air garment
finisher, Garment Finishing Equipment Corp.
ECONOMY PAD, padding for drycleaning pressing machine, Arrow Mfg. Co.
ECONOMY SOUR, laundry sour, Speedlite Chemicals Co., Div. Patek & Co.
ECONO-PAK, small-order register, Econo-Pak
Register Co.

Register Co.

ECONO-PER, cold synthetic drycleaning unit, Vic Manufacturing Co. ECONO-SCOOP, steel weighing hand scoop,

Blenco Co.
ECONOTEX, nylon press covers, X. S. Smith, Inc.
ECONO-THERM, type V automatic reseating
"P & T" relief valve, A. W. Cash Valve Mfg. Corp.
ECONOTHERM, steam boilers, Hapman-Dutton

Co. CON-O-WASH, packaged coin-meter self service automatic laundry plants, Small Equipment Co. Div., American Laundry Machinery Co. EFELO, finishing equipment, Draper-Eze Equipment Co. EGAN, ironer and press padding, feed ribbons, Egan Cotton Mills
EGRY ELITE, register, business system, Egry Register Co.

Register Co.

1838, marking ink, liquid laundry blue, Eaton Chemical & Dyestuff Co.

"86" COLLECTOR CART, for soiled linen or laundry cart, Paul O. Young Co.

889, spray-dried, free flowing white granules, Lever Brothers Co.

886, strong soap formula, R. R. Street & Co., Inc. 8400, nylon press cover cloth, Whitehouse Nylon

Products
Products
EIGHTEEN COVERDUX, duck for flatwork ironers, Tingue, Brown & Co.
EIEX, wetcleaning soap, Dello Products Co.
ELAINE, red oil (oleic acid), Emery Industries,

Inc.

ELANTE, laundry soaps, Los Angeles Soap Co.

ELANTE, laundry soaps, Los Angeles Soap Co.

ELASTIGUM, roof cement, roof coating, Barrett
Div., Allied Chemical & Dye Corp.

ELCCO, drycleaning presses, press head cleaners,
puffers, spotting boards and tables, valves, Intercontinental Mfg. Co., Inc.

ELCONITE, standard greensand zeolite, Elgin
Softenser Corp.

Softener Corp.

ELECTRI-PRESS, electric drycleaner press, Forse ELECTRO-PRESS, electric dry cleaner press,

Forse Corp.

ELECTRO, water conditioner, Stomac Engineering Co., Inc.
ELECTROFLUID, motorized hydraulic drive,

ELECTROFLUID, motorized hydraulic drive, Link-Belt Co.

ELECTRO LIFT, hoists, Electro Lift, Inc.

ELECTROMANUAL, washer, Troy Laundry Machinery Div., American Machiner & Metals, Inc.

ELECTROMATIC, vacuum spotting board, U. S. Hoffman Machinery Corp.

ELECTROMATIC, washer, Troy Laundry Machinery Div., American Machine & Metals, Inc.

ELECTRO-MEND, mending machines and tabs, Simmons Machine Co.

ELECTRO NEUTRALIZER, water-conditioning apparatus for steam boilers, Electro Chemical Engineering Co., Inc.

ELECTRO-STAPLER, stapling machine, B. Sternberg

ELECTRUNITE, stainless steel tubing, Republic Steel Corp. ELDER, imported pins and safety pins, Wm. Prym,

ELGIN, water softening and conditioning equip-ment and chemicals, water filters, deaerating heaters, Elgin Softener Corp.

ELITE, covercloth for ironers and presses, Tingue, Brown & Co. ELITE, nylon nets and dacron nets, Fablok Mills,

ELITE TRU-PAK, autographic register, Egry

ELITE TRU-PAK, autographic Vegeneric Register Co.
ELLIOTT, addressing machines, Elliott Addressing Machine Co.
ELLIS, laundry machinery, Ellis Drier Co.
ELNA, bewing, mending machine, Mark-O Corp.
ELNA, bewing, mending machine, Mark-O Corp.
ELTOREX, taste and odor removal zeolite, Elgin
Softener Corp.
EMERALD, felt, flannel, Pittsburgh Waterproof

EMERSOL, stearic acid, Emery Industries, Inc. EMPIRE, firebrick, A. P. Green Fire Brick Co. EMPIRE, steam traps, American District Steam

Co., Inc.

EMULSIVE, wheat starch, Keever Starch Co.

ENDOR, steam tumbler, Hammond LaundryCleaning Machinery Co.

END-O-RUST, rust remover and metal conditioner, The Peters Co., Div. Toledo Paint & Chem-

ENDURO, coil-spring press pad, Zeidler Mfg. Co.,

Inc.
ENDURO, stainless steel, Republic Steel Corp.
ENERGETIC W-100, soil emulsifier, Armour &
Co., Industrial Soap Dept.
ENERGEX, drycleaning detergent-emulsifier,
Pennsalt Chemicals Corp.
ENERGY, gas-fired air heater for drycleaning
equipment, Norman Control Co.
ENGINAIR, compressor, Westinghouse Air Brake
Co., Industrial Products Div.
ENZYMERSE, enzymic digester, George E. Mead
Co.

EOSOL, paint, oil and grease remover, Krasan Products, Inc.
EQUAFLOW, manifolds, Ruud Mfg. Co.
ERAD-INK, ink remover, A. L. Wilson Chemical

Co.

Cando-Ink, ink remover, A. L. Wilson Chemical
Co.

CRADOL, color stripper, National Cleaners Chemical Mfg. Co.

ERASE, deodorant, Signal Chemical Mfg. Co.

ERASINE, ink remover, Lewis National Corp.

ERIE CITY, boilers, underfeed stokers, Erie City
Iron Works

ERIPON, flame retardant, E. I. du Pont de Nemours & Co., Inc.

ERMCO, rug conveyor and equipment, American
Laundry Machinery Co.

ERUSTICATOR, rust stain remover, Pennsalt
Chemicals Corp.

ERUSTO, spot and stain remover, dry and wetcleaning soaps, laundry sour, Pennsalt Chemicals
Corp.

Corp.

ERUSTOCIDE, laundry sour, and moth deterrent,
Pennsalt Chemicals Corp.

ERUSTOLIN A-B, laundry sour, Pennsalt Chemicals Corp.
ERUSTO LIQUI-BLUE, laundry blue, Pennsalt

ERUSTO-MAX, laundry sour, Pennsalt Chemicals ERUSTO-RAY, laundry sour, Pennsalt Chemicals

ERUSTO SALTS, laundry sour, Pennsalt Chemi-ERUSTOSOL, liquid laundry sour, Pennsalt Chem-

icals Corp.

ESCO. high pH soap builder, Cowles Chemical Co.
ESCOFOS, soap regenerator, Cowles Chemical Co.
ESCOLIN, soap builder, heavy duty, Cowles
Chemical Co.
ESCOLITE, medium pH soap builder, Cowles
Chemical Co.
ESCOLITE, medium pH soap builder, Cowles
Chemical Co.
ESCOLITT, high pH soap builder, Cowles Chemical Co.
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cal Co.
ESCOMO, liquid blue, Cowles Chemical Co.
ESCOMO, blot-water soap (east of Rockies
only), Cowles Chemical Co.
ESFECCO, solvent, starches, Superior Products Co.
ESSICK, evaporative coolers, Essick Mfg. Co.
ESSO BOND, air-setting, high-temperature cement, Ramitic Co.
ETERNIT. asbestos-cement sheets for roofs and

ment, Ramitie Co.
ETERNIT, asbestos-cement sheets for roofs and
sidewalls, Ruberoid Co.
ETERNIUM, pitch base paint, Barrett Div., Allied
Chemical & Dye Corp.
ETHRO, rug and carpet shampoo, North Coast
Chemical & Soap Works
EULANS, mothproofing agents, General Dyestuff
Corp.

EULANS, mothproofing agents, General Dyestur Corp.
EURECO, ventilating system, Eure & Co.
EUREKA, belt dreasing, Standard Oil Co.
EUREKA, marking pins, Keyes-Davis Co.
EUREKA, wetcleaning laundry powder, North Coast Chemical & Soap Works
EVALPAK, valve packing, Edward Valves, Inc., Subsidiary Rockwell Mfg. Co.
EVALTHRUST, valve bushings, Edward Valves, Inc., Subsidiary Rockwell Mfg. Co.
EVAPO-GAS, fumigant, Nyeco Products Co.
EVAPO-GAS, fumigant, Nyeco Products Co.
EVERDUR, copper silcon alloy, American Brass Co., American Metal Hose Branch
EVERLASTIC, roofing, Barrett Div., Allied Chemical & Dye Corp.
EVER-LITE, lighting fixtures, Ever-Lite Co.
EVER MOIST, coated pylon containers, F. H.

EVER-MOIST, coated nylon containers, F. H. EVERREADY, hat and garment boxes, Automatic Paper Box Corp. EVERSAN, purifying and sanitizing finish of tex-tiles, lons Exchange & Chemical Corp. EVERWEAR, nylon press covers and cotton pad-ding. Tingue, Brown & Co. EVRTYTE, steel valves, Strong, Carlisle & Ham-

mond Div.

EWART, detachable link belt chain, Link-Belt Co.

EWING PONY, wood pony laundry washer, R.

Ewing & Sons, Inc.

EXACTO, pre-numbered marking tags, hanger
racks, loop assembly hooks, clips, belt wheel,
rack dividers, counting devices, staples and
stapling machines, Identification, Inc.

EXCELAL, starch finish, Eaton Chemical & Dyestoff Co.

stuff Co. EXCELL-O, cellophane tying ribbon, Freyberg

EXCELSIOR, puff irons, fabric head unit, men's shoulders, Excelsior Machinery Co.

EXCELSIOR, batters' and steam spotting, finishing equipment, Excelsior Machinery Co.

EXCELSIOR of FSET, silk press, Excelsior Machinery Co.

chinery Co.

EXCELSIOR RINN CALLVEYOR, Excelsior Ma-

chinery Co. EX-GO, stain remover, A. L. Wilson Chemical Co. EXHAUSTEAM, steam purifier, Morehead Manufacturing Co. EXIDE, storage batteries, Electric Storage Battery

Co.

EXIDUST, industrial vacuum cleaners, Lamson
Corp., Blower Div.
EXPANDO, collar supports, Time Savers, Inc.
EXPELSOR, pneumatic sewage ejector, Yeomans

Bros. Co.

EXSIZE-T, starch-removing desizing agent, Pabst
Brewing Co., Industrial Products Div.

EX-SOIL-O, drycleaning soap, Davies-Young Soap EXTRACTETTE, extractor, Cook Machinery Co.,

Inc.

EXTRACTING WASHER, washing and extraction in one operation, Butler Mfg. Co.

EXTRA SOLUBLE COLORFIXE, sours, H. Kohn-

in one operation, Butler Mig. Co.

EXTRA SOLUBLE COLONFIXE, sours, H. Kohnstamm & Co., Inc.

EXTRON, drycleaning washer extractor, W. H. Nicholson & Co.

EXZYME, enzymic spotting agent. Pabst Brewing Co., Industrial Products Div.

EYE-OPENER, service indicator tags, Liberty Marking Tag Co., Inc.

EZ-CRIP, extra collar control, Star-Service Hanger Div., Young Spring & Wire Corp.

EZ-LON, collar supports, Time Savers, Inc.

EZ-OFF, metal cleaner, Boston Clip & Tag Co.

EZ-COUT, washing machine, metal, laundry, Henrici Laundry Machinery Co.

EZ-Z SQUEZZE, waster spray gun, Dryco Corp.

EZ-Y. ELEER, strainers for pumps and pipelines, Blackmer Pump Co.

F.B., loose-leaf holders, Speed Products Co., Inc. F.B.C., drycleaning detergent, Fry Bros. Co. FF, tickings, Freund, Freund & Co. FT, fire tube, Eric City Iron Works
F & E, underfeed stokers. Flynn & Emrich Co. FAB, detergent, Colgate-Palmolive Co. FABLOK, premium nylon nets, Fablok Mills, Inc. FABRICARE, drycleaning finishing equipment, Bishop David Freeman Co. FABRICHEAD, puff irons, Excelsion Machinery Co.

FABRI CLENE, drycleaning detergents, Lincoln

Research, Inc. FABRICOL, drycleaning detergent, R. R. Street & Co., Inc.
FABRIC-RENEWING, press plates, Bishop David

FABRIC-SAFE, press plate, Bishop David Free-FABRI FIN, fabric conditioner, Lincoln Research,

Inc.
PABRI LUBE, stain sealer, Lincoln Research, Inc.
FABRI PELS, water repellents, Lincoln Research

FABRI SIZES, dry and wet sizings, Lincoln Re-

FABRIT, heat-sealing mending tape, Madison Products Co., Lucas Products Co. FABREX, water repellent, Spix Products Co. FAB-TEX, water repellent, Spix Products Co. FAB-TEX, water revellent, Spix Products Co. FAIRBANKS, valves, trucks, casters, wheels, Fair-

banks Co.

FAIRBANKS-MORSE, pumps, motors, engines, stokers, Fairbanks Morse & Co.

FAMILY "QUICK PACK," laundry bag, paper, Caylord Container, Div. Crown Zellerbach

FAMILY WORK STARCH, laundry starch, Keever Starch Co.

Starch Co.

FAMOUS 50, hand numbering machine, Roberts
Numbering Machine Co.

FAN-FAC, packaged ventilation, DeBothezat Fans
Div. American Machine & Metals, Inc.

FANTOM-BANTAM, invisible identification system,
National Marking Machine Co.

FANTOM-FAST, invisible identification system,
National Marking Machine Co.

FANTOM-MASTER, invisible identification sys-tem, National Marking Machine Co. FASEL, prespotter, Package Chemical Co. FASHION-AIRE, steam and air finishing, W. H.

FASHION-AIRE, steam and air missing, w. S. Nicholson & Co.
FASHIONER, automatic steam-air dress finisher, Wichita Precision Tool Co., Inc.
FASTOGENE, textile finishes and assistants, American Aniline Products, Inc.
FAWR, accessory equipment, Fawr, Inc.
FEATHER, air compressor valves, Worthington Fump & Machinery Corp.
FEATHERLIGHT, New York Pressing Machinery

Corp.
FEEL-TEX, fur-like finish, Fur Feel Corp.
FELAN, durable water-repellent finish, E. I. du
Font de Nemours & Co., Inc.
FELIEX, aylon D. F. flannel, Gibraltar Fabrics, FEND, protective hand cream, Mine Safety Ap-

pliance Co. FEROCATOR, laundry sour, Pennsalt Chemicals

Corp.
FERRENEWO, angle check and globe valves,
Lunkenheimer Co.
FERRIMAG, ceramic permanent magnets, Crucible Steel Co. of America
FERRO, sours, Diamond Alkali Co.
FERROSAND, kron-removal filters, Hungerford &

Terry, Inc. FERROVAC, vacuum melted steel, Crucible Steel

FERROVAC, vacuum melted steel, Crucible Steel
Co. of America
FIBERGLAS, spun glass yara for fabrics and insulating. Owen-Corning Fiberglas Corp.
FIBEROLLS, for use with marking machines, Testile Marking Machine Co., Inc.
FIELD, fart controls, Conco Engineering Works,
Div. H. D. Conkey & Co.
FIELDEN, liquid level control instrument, Fielden
Instrument Corp.
50-FOLD, concentrated drycleaning soap, National
Cleaners Chemical Mig. Co.
FILPRO, vacuum still, U. S. Hoffman Machinery
Corp.

FILTERMASTER, solvent filters, Hopkins Equipment Co.
FILTER-SOL, liquid drycleaning soap, DaviesYoung Soap Co.
FILTER-STILL, filters, Martin Equipment Co., Div.
American Laundry Machinery Co.
FILTROLENE, synthetic drycleaning soap, SlaterRobbins Co., Inc.
FILTRON, electronic filter, U. S. Hoffman Machinery Corp.

chinery Corp.
FILTROSAN, drycleaning soap, Studdard solvent,

FILTROSAN, drycleaning soap, Stoddard solvent, Slater-Robbins Co., Inc.
FILT-R-OUT, liquid drycleaning soap, Caled Products Co., Inc.
FINISH 21, dye farer, Apex Chemical Co., Inc.
FINNSH, starch reclaimer, Lewis National Corp.
FIREBOX, coal, oil, gas stokers, high and low pressure, Kewanee Boiler Corp.
FIRE-CHEX, roofing shingles, Philip Carey Mfg.
Co.

FIREITE, asbestos furnace coment, Johns-Manville FIREYE, safeguards, controls, Combustion Control Corp.
FIREFLY, asbestos pads, Firefly Asbestos Products

THEFLY, asbestos pads, Firelly Asbestos Frounce-Co.

TRE GUARD, insulation, Philip Carey Mfg. Co.
FIRE GUN, fire extinguishers, America-La France-Foamite Corp.
FIT-ALL, sleeve forms, Davis Specialties, Inc.
5-L, laundry starch, Clinton Foods Inc.
527 SPOTIER, all-purpose spotter, Dizo Co.
FLAG-O-MATIC TAGS, for the marking tags,
Philip L. Braun, Inc.
FLAG-TAGS, special tags, Stry-Lenkoff & Co.
FLAIR, sport shirt pack, Scientific Packages, Inc.
FLALON, aylon fiannel for press pads, BurgessBerliner Associates
FLAME CHEK, fiameproofing agent, Chek Products, Inc.

ucts, Inc.
FLAME PROOF XWX, flameproofing agent, Apex

FLAME PROOF XWX, flameproofing agent, Apar Chemical Co., Inc.
FLAMONEL, monel press pads, Resillo Co.
FLAN-L-TEX, metal press pads, X. S. Smith, Inc.
FLASH, hand-type tape sealing machine, Time Savers, Inc.
FLASH, shirt packages, Scientific Packages, Inc.
FLEXO, built powder, Swift & Co., Industrial Soap Dept.
FLEXCO, belt fasteners, Flexible Steel Lacing Co.
FLEXIMATIC, linen folder, Troy Laundry Machinery Div., American Machine & Metals, Inc.
FLEXTER, rubber buckets, dippers, funnels, B. F.
Goodrich Co.
FLEXIMATIC, DOP, plasticizer to soften hardened

FLEXOL DOP, plasticizer to soften hardened waterproof innerlinings, Eaton Chemical & Dyestuff Co. PLEXON, corrugated expansion joints, Flexonics

Corp.

FLEX V, belt fasteners, Flexible Steel Lacing Co.

Stamford

FLEX Y, belt fasteners, Flexible Steel Lacing Co.
FLIK, paint, oil and lipstick remover, Stanford
Chemical Co.
FLINT CHIPS & POWDER, neutral soam, Armour & Co., Industrial Soap Dept.
FLOATS OFF, liquid synthetic detergent, J. Holcomb Mfg. Co.
FLO-KLEAR, soap for charged systems, Pennsalt
Chemicals Corp.
FLOORKOTE, enamel, Tropical Paint & Oil Co.
FLOORMASTER, trucks, Lewis-Shepard Products,
Inc.

TRADE NAMES FLOOR-VEYOR, permanent installation power belt conveyor, Rapids-Standard Co., Inc. FLORIENT, room deodorant, Colgate-Palmolive FLOW-CLEAN, washer-extractor, Fletcher Works, FLOW-MASTER, continuous speed rail fittings, Flow-Master Machine Corp. FLOWRATER, solvent meter for filters, Fischer & Porter Co. FLOW-RINSE, drycleaning extractor-rinser, Fletcher Works, Inc.
FLUFFED EDGE, padding cotton, Pittsburgh
Waterproof Co.
FLUFFY "ALL," low sudsing synthetic detergent,
Lever Bros., Co. Lever Bros., Co.
FLUTTEX, fabric conditioner, textile softeners,
National Textile Chemical Co.
FLUIDRAM, underfeed stoker, Erie City Iron Works FLUORIUM, fluorescent fabric finish, Beach Soap FLUSH, fatty acid eliminated (liquid) Dello Products Co.
FLUTRON, ruffle ironer, Maxant Button & Supply Co.

FOAMANEL, sponge press pads, Resillo Co.
FOAM-ASBESTOS, foam rubber laminated drycleaning pads, Gustin-Kramer Co.
FOAMEX, neutral lubricant, Benda Products, Inc.
FOAMITE, fire extinguishers, American-La FranceExaminate Corp. FOAMSUDS, liquid coconut soap, E. F. Drew & Co., Inc. FOLD-A-WAY, shirt baskets and trucks, Time Savers, Inc.

FOLD-FAST, folders, Troy Laundry Machinery
Div., American Machine & Metals, Inc.

FOLD-KING, shirt-folding device, Time Savers, FOLDMASTER, small piece flatwork folder, American Laundry Machinery Co. FOLD-MASTER, shirt folding device, Time Sav-FOLDRITE, flatwork folder, American Laundry Machinery Co.
FOLDRITE, shirt folding and finishing equipment, Time Savers, Inc.
FOOT-EEZ, rubber health mat, American Floor Products Co.
FOOTROL, foot switches, General Control Co.
FORCE-FLO, blast type convector with fan, Trane Co. Trane Co.
FORD, gasoline trucks and engines, Ford Div.,
Ford Motor Co.
FOREL, synthetic detergent, Beach Soap Co.
FOREMANIL, aniline dyes, American Aniline Products, Inc.
FORMATIC, automatic shirt folder, American
Laundry Machinery Co.
FORMATIC, shirt finishing equipment, American
Laundry Machinery Co.
FORM-A-TIME CONTROL, washer timer, Van
Chemical Co. FORM FIT, garment hangers, Pacific Coat Hanger Mig. Co., shirt protectors, Sutherland Paper Co.
FORM-MASTER, payroll system, Todd Co., Inc.
FORMMASTER, portable forming machine, Wal-FORMOLD, plastic mold steel, Crucible Steel Co. of America
FORM-RITE, collar shaper, Huebsch Originators
Div. American Laundry Machinery Co.
FORMULA CONTROLS, INC., formula control
for washers, Formula Controls, Inc.
FORMULA E-23, concentrated detergent, Marshall Co.
FORMULA 880, spray-dried, free flowing white granules, Lever Brothers Co.
FORMULA 886, strong soap formula, R. R. Street & Co., Inc. FORMULA 1954, 4% clear, no-rinse charge, Marclene Products Corp. FORMULA 177, synthetic soap powder, West Side FORMULA S, built, powdered, low-titer soap, and fur cleaning supplies, Swift & Co., Industrial Soap Dept. Spray-dried to homogeneous free-flowing beads, Lever Brothers Co. PORMULA 60, high-titer laundry soap, New South Mg. Co., Inc. PORMULA 12, drycleaning soap, Package Chemical Co., Inc.
FORMULA W-51, ink remover, A. L. Wilson Chemical Co.

FORMULATION No. 14174, charge soap, Eaton Chemical & Dyestuff Co.

FORSE-CLEAN, 50 lb. synthetic drycleaning ma-FORSE-CARMENT FINISHING UNIT, utility FORSE-CARMENT FINISHING UNIT, utility wait and auto pants top finisher, Forse Corp.

FORSE MASTER, presses, laundry and drycleaning equipment, Forse Corp.
FORSE VELOCITY STEAM, increases heat output in steam system, attacking condensate and air films, Forse Corp.
FOSKLOR, chlorinated sodium phosphate, Westvaco Chlor-Alkali Div., Food Machinery & Chamical Corp. Vaco Chior-Airail Div., Food Machinery & Chemical Corp.

POSTER-STEPHENS, window posters, photo truck-posters, sales promotion material, news-paper mats, Foster-Stephens, Inc.

FOUR-ACES, synthetic wetcleaner in powder form, National Cleaners Chemical Mfg. Co.

400, liquid drycleaner, Adco, Inc.

411, powdered synthetic detergent, Armour & Co. 460, power conveyor, Richards-Wilcox Mfg. Co. FOUR STAR, wheat paste starch, Keever Starch Co. 422. built anionic synthetic detergent, Armour & Co.

FOXBORO, indicating, recording, controlling in-struments. Foxboro Co.
FRACTO-CRETE, castable refractory, Ramtite Co.
FRANKLIN, steel products, Bernard Franklin Co., FRANKLIN, steel products, Bernard Franklin Co., Inc.

FRANKLIN'S, cement treatment, cleaners, poltabes, waxes, wood seal, Franklin Research Co.
FRE-BIR-PAC, cloth counters, automatic towel
and diaper counters, Fre-Bir-Pac, Inc.
FREE-PLO, drycleaning pressure filter, Gross Machinery Co., Inc.
FREEWAN "NO GLAZE", fabric-safe doubleplates, drycleaners press plates, lusterplate double plates, Bishop David Freeman Co.
FREE-VANE, air-operated controller, Bristol Co.
FREE-VANE, air-operated controller, Bristol Co.
FREEWANE, air-operated controller, Bristol Co.
FREMONT, rubber 2007 tile, mats, matting, Fremont Rubber Co.
FRENCH-TEX, sucde and leather cleaning and
dyeing process, La France Dye House
FRESH-AIR MAKER, fans, blowers, SchwitzerCummins Co.
FREUND, tickings, Freund, Freund & Co., Inc.
FRIGIDAIRE, air conditioners, washers, autoFRIGIDAIRE, air conditioners, washers, autotable to the conditioners of the control of the conditioners, washers, autoFRIGIDAIRE, air conditioners, washers, auto-FRIGIDAIRE, air conditioners, washers, automatic, water heaters, Frigidaire Div., General Motors Corp.
FRINGE-IT, fringe cleaner, Certified Chemical & Equipment Co.
FRINGE-RITE, bleach, Coastal Chemical Corp.
FRONTIER BRAND, specialties, Riverside Chemical Co., Inc. FROST-PROOF, pipe covering and blocks, Rub-FRUGAL, soap, Minnesota Chemical Co. FRYBRO, black indelible marking ink, ironer oil, FRYE, dye dippers, E. B. Frye & Son FRY'S SPECIAL, clipper laced aprons, Fry Bros. Co. RUBBER MARKERS, colored identification markers, Skrandel Co.
FUELEX, sludge solvent, Coastal Chemical Corp.
FUEL-SAVER, boilers, International Boiler Works FULFIO, filters for industrial fluids, gases and compressed air, Commercial Filters Corp.
FULFIO, laundry nets and fabrics, Davis Mills Inc.

FULIMATIC, washers, Troy Laundry Machinery
Div., American Machine & Metals, Inc.

FULITON, laundry nets, Southern Mills, Inc.

FULITON, small-horsepower steam boilers, Fulton
Boiler Works, Inc.

FUME-FITE, acid resisting enamel, Tropical Paint
& Oil Co. PUME-FITE, acid resisting enamel, Tropical Paint & Oil Co.

FUMOL, mothproofing agent, Fumol Corp.

FUMOL SILICONE, water repellent, Fumol Corp.

FUR CLENE, fur and synthetic pile coat lining

cleaning solvent, Walter Haertel Co.

FUR-E-Oil, re-oiling and softening agent for furs

and leathers, Package Chemical Co., Inc.

FUR FEGL, pile fabric process, Fur Feel Corp.

FUR FROST, cleaner for deep-pile fur fabrics,

White Frost Chemicals, Inc.

FURLON, fur glaze, Nycco Products Co.

FURNAS-CRETE, castable refractory, Maxico Re
fractories Co. FURNAS-CRELE, Castasie verticately, fractories Co. FUR-RAY, fur cleaner and reconditioner, Jay-Dee, Inc., Mig. Chemists
FUR SHEEN, fur and synthetic pile cost cleaner, Walter Haertel Co.
FYR-FEEDER, stokers, American Coal Burner Co.

G

GFD'S, hot air dryers, Hoyt Mig. Corp.
GFT, tumblers, laundry, dry cleaning, Western
Laundry Machinery Co.
GFTT, gas power fork truck, Lewis-Shepard Products. Inc.
G & G, liquid or powdered stripper, bleacher,
G & G, Chemical Co.
GOP, grease, oil and paint remover, Eaton Chemical & Dyestuff Co.
G & P, grease and paint remover, Warco Laboratories tories
GABRIEL, hoilers, heat exchangers, pressure tanks,
Gabriel Boiler & Fabrication Co.
GARCO, hangers, wire trooser guards, collar supports, Garment Hanger Co.
GARD, combined flameproofing and mothproofing agent, U.S. Chemical Products Co.
GARDNER-DENVER, air compressors, pumps, Gardner-Denver Co.
Gardner-Denver Co.
GARMENT "QUICK PACK," garment bag, paper,
Gaylord Container, Div. Crown-Zellerbach Corp.
GAS-HEAT, recirculators, Kuco Boiler & Engineering Co. GASWA1, gas and steam heated flatwork ironers, Gasway Corp. GATES, heavy duty industrial V-helts, Gates Rub-GATOR HIDE KRAFT, wrapping paper, International Paper Co., Southern Kraft Div.

GAVSCO, valves, Golden-Anderson Valve Specialty Co.
GAY, liquid detergent, Tower Chemicals, Inc.
GAYLON, liquid detergent, brightener for synthetic fibers, Tower Chemicals, Inc.
GEERP, wet and dry spotter Keystone Aniline & Chemical Co., Inc.
GELATONE, liquid size and finish, R. R. Street & Co., Inc. GELATORIS, Inquis as & Co., Inc.

GEM, grease cups, Lunkenheimer Co.
GEMZYME, enzymic digester, George E. Mead Co.
GENERAL, fire trucks, General Detroit Corp.
GENERAL, perchiorethylene drycleaning units,
Martin Equipment Co., Div. American Laundry
Machinery Co.
GENERAL, liquid scap dispenser, General Equipment Co. ment Co.

GENERAL, inquis scap unspenser, General Equipment,
GENERAL ELECTRIC, electrical equipment,
General Electric Co.

GENERAL FORMULA, general formula, Lustrol
Drycleaning Products, Div. Patek & Co.
GENERAL FORMULA, stain remover, G & G
Chemical Co.

GENERAL FORMULA 209, spotting agent, R. R.
Street & Co., Inc.
GERMITEX, sour, Hood Chemical Co., Inc.,
Crescent Div.
GIANT, built high-titer sosp powder, Armour &
Co., Industrial Soap Dept.
GIANT, butraulic extractor, Strike's Laundry Ma-Co., Industrial Soap Dept.

GIANT, hydraulic extractor, Strike's Laundry Maconnery, 1nc.
GIANT, net pins, Keyes-Davis Co.
GIBRALTAR, marking and printed tags, Gibraltar Products Co.
GIBRALTAR, nylon flatwork ironer tape, Gibraltar GIBRALITAR, nylon natwork ironer unpe, Gibrainse Fabrics, Inc.
GIBRALITAR TRI-PRONG CLIP, skirt hanger fastener, Commercial Tag Co.
GIFCO, tags, H. M. Gifford Mig. Co.
GI-GR-WITE, casters, Clinton Froducts Co.
GILMER, V-beits, flat belting, woven belting, New York Belting & Packing Co.
GILT EDGE, round leather belting, I. B. Williams & Sons & Sons GLAMORENE, rug cleaner, rug brush, foam up-holstery cleaner, Glamorene, Inc. GLAZEEN, fur glazing fluid, Package Chemical Co., Inc.

Cleen, liquid weteleaning soap, Trico Chemical

Div., Tri-State Equipment Co.

CLENN ANDERSON, paper collar supports, Anderson Collar Support Co.

CLENZIP, IR., zipper repair tools, Glenzip Co.

GLIDE, ironing surface lubricant, Patek & Co.

CLIDE LINER, pressing machines, laundry power

presses, Unipress Co. GLIDE-O-MATIC, shirt-finishing unit, Unipress GLIDER, electric irons, J. W. Steele & Co. GLIDER, pressing machine, Loyal Textile Machin-GLIDER, pressing machine, Loyal Textule Machinery Corp., et J. M., detergent, General Aniline & Film Corp., Special Products Sales Div. CLISS'N, cleaning compounds, mothproofing, Gliss'n Products Co., Inc. GLOBE, drycleaning marking and strip tags, Globe Ticket Co. of New England GLOBE, laundry, drycleaning washers, American Cleaners Equipment Co., Div. American Laundry Machinery Co. GLOSY, tallow soap chips, Swift & Co. GLOSY, tallow soap chips, Swift & Co. GLOSOAP, drycleaning soap, Starr Soap & Chemical Co., Inc. ical Co., Inc.

GLOSSTEX, canvas products, C. R. Daniels, Inc.

GLOVER, cleaners' specialties, Bill Glover, Inc.

GLOVER, automatic air form finishing unit, Bill Glover. Inc. GLU-TONE, for airplane glue stains, Spix Products Co.
GLIVY-NU, glove soap, Davies-Young Soap Co.
GLIVY-NO, shirt clip, Time Savers, Inc.
GMC TRUCKS, motor trucks, GMC Truck &
Coach Div., General Motors Corp.
GO-BACK, basket conveyor, Time Savers, Inc.
GO-BACK, conveyors for flatwork presses, Rosenthal Mig. Co.
GOLDEN ARROW COVER N PAD, padding for
drycleaning pressing machines, Arrow Mig. Co.
GOLDEN FLAKE, laundry soaps, Fry Bros. Co.
GOLDEN FLAKE, laundry soaps, Fry Bros. Co.
GOLDEN FLAKE, laundry soaps, Fry Bros. Co.
GOLD LINE, Islandry fabric, Tingue, Brown &
Co.

Co.

GOLD MEDAL, hatters' chemicals, machinery.
Hatters Supply House, Inc.
GOLD MEDAL, haudry nets, Southern Mills, Inc.
GOLD MEDAL, neutral soap, Swift & Co., Industrial Soap Dept.
GOLDSEAL, colored specialty tapes, Gummed
Tape & Devices Co.
GOLD SEAL, rug shampoo, Huntington Laboratories, Inc. GOLD STAR, feed ribbons, New York Belting &

Packing Co.—slip trouser guard, hangers, collar forms, Goldman Mig. Co.
GOMACO, non-slip trouser guard, hangers, collar forms, Goldman Mig. Co.
GOOD FORM, garment hangers, Pacific Coat Hanger Mig. Co.
GOODRICH, rubber hose, belting, packing, B. F. Goodrich Co.
GOOSENECK, garment bagger, A. G. Vara & Son, Inc.

GORTON, air eliminators, Gorton Heating Corp. GOVERNOR, nylon net, knitted, Gibralter Fab-

GRAKO, belt dressing, Graton & Knight Co.

GRAND, hatters' equipment, supplies, Maxant Button & Supply Co. GRANOLITH, paint for brick, concrete, stucco, Barreled Sunlight Paint Co. GRA-SOL, grass stain remover, Warco Laboratories GRANTHAM, tumbler, T. L. Smith Co. GRANUWAX, granulated wax, Lewis National Corp.
GRAVES & MARSHALL, water heaters, heat exchangers, pressure and storage tanks, Graves & Marshall Co.
GREASEX, solvent oil for industrial washing. Marshall Co.

GREASEX, solvent oil for industrial washing.

Patek & Co.

GREASOLV, oil, paint, grease remover, Edelmuth Mfg. Chemists
GREAVES, silent bakelite gears, milling machines,
Greaves Machine Tool Co.
GREENBACK, apron duck, John T. Stanley Co., GREEN BUBBLES, soap powder, Minnesota GREEN BUBBLES, soap powder, Minnesous Chemical Co.
GREENCOTE, refractory maintenance coating.
A. P. Green Fire Brick Co.
GREEN GLO, oil soap, Allen B. Wrisley Co.
"GREEN LABEL," inundry textile fabrics and flatwork ironer aprons, R. Lally Co.
GREEN LABEL, builder compound, Solvay Sales
Div., Allied Chemical & Dye Corp.
GREEN LINE, flatwork ironer tape, R. Lally Co.
GREEN GLIVE, soap, Rome Soap Mig. Co.
GREENSTRIPE, cover cloth, John T. Stanley Co., Inc. GREEN STRIPE, padding, William E. Hooper & Sons
(REENZYME, digestive enzyme, Greenville Chemical Co.
(REIF), hangers, guards, Greif Bros. Cooperage Corp., Wire Garment Hanger Div.
(GRESOL, break powder, Speare Co.
(GREYHOUND, extractor, synthetic washer, washwheel, Hercules Laundry Machinery Co., Inc.
(GREY-ROCK, brake lining, clutch facings, brake blocks, Raybestos-Manhattan, Inc.
(GRIMES, air compressors, Grimes Co.
(GRIPNET, nylon net closures, Keyes-Davis Co.
(GRIPPG, sair compressors, Grimes Co.)
(GRIPPO, non-slip trouser guard, Patek & Co.
(GRIPPO, non-slip trouser guards and foam hanger cover or shoulder guard, L. M. Leathers' Sons
(GRIPTEX, liquid rubber, Adhesive Products Corp.
(GRIPTIEX, liquid rubber, Adhesive Products Corp.
(GRIPTITE, bagging rod clamp, Bishop David Freeman Co.
(GRIP-ITIE, marking tags, Liberty Marking Tag
(Co., Inc.) GREENZYME, digestive enzyme, Greenville Co., Inc.
GRIPTITE, rug pole hangers, American Laundry
Machinery Co. Machinery Co.
GROMMET GRIP, reinforced grommets for nylon nets, Gibraltar Fabrics, Inc.
GROSS, drycfeaning extractors, filters, tumblers, washers, Gross Machinery Co., Inc.
GROOSAIR, open-end tumbler, Gross Machinery Co. GROSS-EX, drycleaning washer-extractor, Gross GROSS-EX, drycleaning washer-extractor, Gross Machinery Co., Inc.
GROSS-OMATIC, safety petroleum drycleaning unit, Gross Machinery Co., Inc.
GROSS STAR, grid plates, electric steam irons, ironing boards and tables, asbeston covers and pads, Boor matting, L. Behrstock Co.
GROSS-X, tumbler, Gross Machinery Co., Inc.
G-SEAL, pipe joint compound, Quigley Co., Inc.
G-SGAL, drycleaning soap, G & G Chemical Co.
GUARANTEED, built, powdered high-titer laundry soap, Swift & Co., Industrial Soap Dept.
GUARDIAN, nylon laundry nets and dacron nets,
Fablok Mills, Inc.
GUARDIAN, hanger covers shirt hands garment GUARDIAN, hanger covers, shirt bands, garment bags, trouser guards, Great Eastern Paper Con-GUARDSMAN, watchclock, Detex Watchclock GUARDSMAN, watchclock, Detex Watchclock Corp.
GULF, petroleum and Stoddard solvents, rust preventatives, greases and lubricating oils, Gulf Oil Corp.-Gulf Refining Co.
GUMCRAFT, gummed, mending and printed tapes, Gummed Tape & Devices Co.
GUTH FLUORESCENT, fluorescent lighting equipment, Edwin F. Guth Co.
GUTH GERM-KILLING LIGHTS, bacterical lighting equipment, Edwin F. Guth Co.
GYROL, fluid drive, transmission-variable speed.
American Blower Corp., Div. American-Standard

HTH, soda bleach mix, calcium hypochlorite with soda base, Olin Mathieson Chemical Corp., Industrial Chemicals Div.
HW, liquid soap detergent, Eaton Chemical & Dyestuff Co.
HAERTEL, fur cleaning material, equipment, trucks, fumigation cabinet, garment racks, fur vault door, Walter Haertel Co.
HAGAN C-390, high capacity resin, Calgon Co., Div. Hagan Chemicals & Controls, Inc.
HAGAN-CALGON, mechanical water softener, Calgon Co., Div. Hagan Chemicals & Controls, Inc. Angon Co., Inc.

HAIROUND, round belting, Graton & Knight Co.

HALOX, dry bleach, Wyandotte Chemicals Corp.,

J. B. Ford Div.

HALL, tanks and tubs, Amos H. Hall & Sons

HAMILTON, casters, dollies, racks, wheels, trucks,

Hamilton Caster & Mig. Co.

HAMILTON SPRING PADDING, spring padding

for flatwork ironers and presses, American

Laundry Machinery Co.

HAMILTON, dye kettles, extractor baskets, Hamilton Copper & Brass Works

HAMMEL-DAHL, valve controls, valves, Hammel-Dahl Co. HI-LENE, upholstery drycleaner, Coasia Corp.
HI-LITE, solvent soluble brightener, Lustrol Drycleaning Products, Div. Patek & Co.
HILO, built low-titer soap powder, Armour & Co.
HILO-CHROME, chrome-base bonding mortar,
Mexico Refractories Co.
HILOSET, high-temperature bonding mortar,
Mexico Refractories Co.
HI-LUSTRE, fur glazing fluid, Bernard Sirotta Co.
HI-LUSTRE, fur glazing fluid, Bernard Sirotta Co.
HI-SPEED RAIL, monorail and speedrail systems,
Time Savers, Inc.
HI-SPEED, washer, Keystone Laundry Machinery
Co. mel-Dahl Co.

HAMMOND, washers, tumblers, etc., Hammond
Laundry-Cleaning Machinery Co. Laundry-Cleaning Machinery Co. HAMMOND MIRACLE-MATIC, laundry washerstractors and washer-extractor drycleaning nits, Hammond Laundry-Cleaning Machinery HAND-A-LOX, wire hanger holder, Time Savers, Inc.
HANDEE, presses, Forse Equipment Co.
HAND-FILM, protective hand cream, National
Cleaners Chemical Mfg. Co.
HANDI, bundle and garment racks, Speare Co.
HANDIPAK, portable autographic register, Egry Register Co.

HANDIROL, mending tape, Gummed Tape & Devices Co.

HANDY, button and buckle covering equipment, Handy Button Machine Co.

HANDY, flatwork ironer, American Laundry Machinery Co.

HANDY, gate valves, Lunkenheimer Co.

HANDY, rubber markers, Zuckerberg Co.

HANDY, rubber markers, Zuckerberg Co. cialty Co.

HOFFCO-VAC, portable vacuum cleaner, U. S.

Hoffman Machinery Corp.

HOFFMAN, vacuum systems, stills and filters,
U. S. Hoffman Machinery Corp.

HOFFMAN, pressing machines (garments), laundry washers, extractors and tumblers, W. H.

Nicholson & Co. HANDY HOOKS, garment hanger and household conveyors, Engineering & Production Specialties HANDYPAK, day tags, Tagit Co. HANG-A-LOX, wire hanger rack, Time Savers, Inc.
HANGER-AD, foam plastic hanger guard, printed with advertisement, Art Anson Inc.
HANGER-TIES, hanger combiners, H. F. Hanscom & Co. HANG-RITE, garment hangers, Waldorf Paper Products Co. HANG-R-SHIELD, garment hanger cover, Sta-HANG-R-SHIELD, garment nanger cover, san Neat Corp.

HAPMAN, conveyors, Hapman-Dutton Co.

HARWID, polyethylene, Olin Cellophane Div.,

Ecusto Paper Corp.

HAT SIZING, sizing for hatters, Warco Labora-HAUSER-STANDER, wood tanks, tubs, vats, Hauser-Stander Tank Co.
HAWKEYE, soap flakes, Iowa Soap Co.
HAYS, veriflow meter, visio-ratio gauge, Hays HEARTH-CRETE, refractory material, Quigley HEART-OAK, leather belting, Graton & Knight Co., Div., International Basic Economy Co. HEAT-KWIK, combination trap, Co., Div., International Basic Economy Corp.

H. E. FLUELESS, boilers, P. M. Lattner Mfg. Co.
HELL-SHAW, pumps, American Engineering Co.
HELLMET, steel safety pins, Risdon Mfg. Co.
"HENRICI", glove forms and necktie presses,
Henrici Laundry Machinery Co.
HERCULES, extractors, Haring & Stephens Co.
HERCULES, marking ink, H. Kohnstamm & Co., Inc. HERCULES, nylon net, Gibraltar Fabrics, Inc. HERCULES, Stoddard solvent and 140° F dry-cleaning units, washers, Hercules Laundry Ma-chinery Co., Inc. HERCULES CMC, sizing agent, Hercules Powder HERMAN, delivery truck body, Herman Body Co. HERO, fire extinguishers, Bostwick Laboratories HEV-E, combination oil and gas burner, Cleaver-Brooks Co. HEXAGON, press pads, covers, Stadham Co., Inc. HEXAMO, prespotter, Riverside Mfg. Co.
HEXIKLOR, synthetic solvent drycleaning detergent, Krasan Products, Inc.

H, water soluble grease, Keystone Lubricating Co. H & A, size, H. & A. Sizing Co.
HCR, high capacity cation exchanger, National Aluminate Corp.
HD, belt fasteners, Flexible Steel Lacing Co.
H. I. S., laundry starches, Huron Milling Div., Hercules Powder Co.
H. K., bleach and fabric softener, H. Kohnstamm & Co. Line

H.K., bleach and fabric sortenes, and the Co., Inc., and the Co., Inc., and the Co., Inc., and the Co., Industrial Chemical Div.

Corp. HI-BASEX A, zeolite, Hungerford & Terry, Inc. HI-CAP, charge system detergent, Lustrol Dry-cleaning Products, Div. Patek & Co. HI-CAP, steam traps, Strong, Carlisle & Hammond

HEXITE, wetcleaning soap, Riverside Mfg. Co. HEXOL, prespotter, Slater-Robbins Co., Inc. HEXOLATE, alkali, soap builder, Lewis National

HICORY, soap, flaked or powdered, Los Angeles

Soap Co.

Hi-ef PURIFIERS, air and steam separators and purifiers, V. D. Anderson Co., Div. International Basic Economy Corp.

HI-FASHION, garment finisher, U. S. Hoffman Machinery Corp.

HIGH FLASH SHELL-SOL, naphtha petroleum solvent, Shell Oil Co., Inc.
HIGH-SPEED, horizontal curtain drier, drying tumbler, American Laundry Machinery Co.
HI-GRADE, leather belting, cement, dressing, Cornell Belting Co.
HI-HOPPER, belt conveyors, New London Engi-

HI-INVERSAND, zéolite, Hungerford & Terry.

Inc.
HI-JET, drycleaning, laundry washer extractor-drier units, W. H. Nicholson & Co.
HILD, rug and carpet shampooing equipment, animal stain remover, Hild Floor Machine Co.,

HILD BRITE, rug and upholstery shampo, Hild

Floor Machine Co., Inc. HILD SHOWER FEED, rug and carpet scrubbing machine, Hild Floor Machine Co., Inc. HI-LENE, upholstery drycleaner, Coastal Chemi-

Co.
HI-TEST, high-pressure welded boilers, Kewanee
Boiler Corp.
HI-TEST, moth spray, Bernard Sirotta Co.
HI-TEST, rug and upholstery shampoo, Coastal
Chemical Corp.
HI-TONE, non-ionic drycleaning detergent, hi-

Tone Soap Co. HI-V TRIPLEHEAD, new type triple head with split buck, Forse Corp. HODGES, checking systems, Jack Hodges Spe-

ory washers, extractors and temporers, w. H. Nicholson & Co. HOFFMAN EXTRON, stoddard solvent washer-extractors, W. H. Nicholson & Co. HOFFMAN MASTER JET, stoddard solvent and perchlorethylene cleaning units, W. H. Nicholson

perchlorethylene treasum, and, son & Co. VAPO SAVERS, perchlorethylene recovery tumblers, W. H. Nicholson & Co. HOFF-VAC, pedal-control vacuum spotting board, U. S. Hoffman Machinery Corp. HOLDAPRES, trouser hanger, B & G Engineering HOLD-FAST, leather belt dressing, I. B. Williams HOLTITE, collar supports, Wormstead, Smith & HOL-TITE, marking tags, Liberty Marking Tag Co., Inc. HOLT WHIRLWIND, floor polishers, Holt Mig. HOMO-FLEX, hose, belting, Raybestos-Manhat-

tan, Inc. HONEYCOMB, filter tubes for industrial fluids, gases and compressed air, Commercial Filters Com.

Corp.
HONEYWELL, humidity control system, Minneapolis-Honeywell Regulator Co.
HOODCLOR, bleach, Hood Chemical Co., Inc.,
Crescent Div.
HOOF, automobile and engine governors, Hoof
Products Co. Products Co.

HOOPERWOO, cotton press padding, nets, William E. Hooper & Sons
HOOSIER PEARL, corn starch, National Starch

Products, Inc. HOPE, tapes, belting, Hope Webbing Co. HOPKINS, washing machines, tanks, Hopkins Equipment Co. HOPKINS ATOMIZER, spotter, Hopkins Equip-

HOPKINS FILTER, horizontal, bag type filter, Hopkins Equipment Co. HORN CRETE-FIX, floor resurfacer, A. C. Horn Co., Inc. HORN DRI-N-TITE, roof coating, A. C. Horn Co., HORN FUMEX, fume resistant coating for walls,

HOKN FUMEX, tume resistant coating for walls, ceilings, A. C. Horn Co., Inc. HORNGLAZE, floor wax, A. C. Horn Co., Inc. HORNOLITH, dustproofer for concrete floors, A. C. Horm Co., Inc. HORWATH, laundry washers, Horwath Laundry Machine Mfg. Co.

HOT-SPOT, stick type press cleaner, Dello Products of the Company of the Com

ucts Co.
HOTT PATCH, heat-setting high-temperature cement, Ramtite Co.
HOWELL, sump pumps, oil burners, Kol-Master

HOWELL, sump pumps,
Corp.
HOTT, tumblers, Hoyt Mfg. Corp.
H. & T. MULTIPOHT, valve automatic operation,
Hungerford & Terry, Inc.
HTH-13, free flowing white powder for sanitizing,
deodorizing and disinfecting, Olin Mathieson
Chemical Corp., Industrial Chemicals Div.
HUB, laundry marking tags, Boston Clip & Tag
Co.

HUBER, overfeed stokers, Flynn & Emrich Co.

HUBINGER COMPOUND, corn starch, Hubinger HUEBSCH "42," open-end tumblers, Huebsch Originators

HUMIDIGRAPH, direct-reading humidity record-er, Bristol Co.

er, Bristol Co. HV-4, air vacuum system, U. S. Hoffman Ma-chinery Corp. HYAL, builders, George Stearns Chemical & Mfg.

Co.

HYCON, professional dry bleach, Beach Soap Co.
HYCON, professional dry bleach, Beach Soap Co.
HYCONAMITE, pumps, American Engineering Co.
HYCONAMIX, drycleaning soap, emulsifier, Edelmuth Mfg. Chemists
HYCONAMIX, textile processing agent, E. I. du
Front de Nemours & Co., Inc.
HYDRASOL, wetcleaning Celanese soap, Keystone Anline & Chemical Co., Inc.
HYCONAMIC HANDLIFT, and FOOTLIFT,
trucks, Lewis-Shepard Froducts, Inc.
HYCONAMIC Lewis-Shepard Froducts, Inc.
HYCONAMIC Co.

HYDRAXTOR, extractor, Hydraxtor Company HIDRAAIOH, extractor, Hydraxtor Company
HYDRAZEME, rust remover, National Cleaners
Chemical Mig. Co.
HYDROPEL, naphtha-soluble waterproofing, National Cleaners Chemical Mig. Co.
HYDRO-AH, drycleaning press, Pantex Mig. Corp.
HYDRO-AH, drycleaning press, Pantex Mig. Corp.
HYDRO-BREAK, laundry chemical, Diamond Alkali Co.

HYDRO CLARO, bleach, Lewis National Corp. HYDROL, drycleaning detergent, Riverside Mfg. HYDROLATE, laundry chemical, Diamond Alkali

Co.

Chemical Corp.

HYDROSURE, bocester and large condensate return, Peerless Pump Div., Food Machinery & Chemical Corp.

HYDROSURE, GE, water repellent, National Cleaners Chemical Mig. Co.

HYDROSURE, reducing bleach, Nu-Pro Mig. Co.

HYDROSURE CAKES, solvent purifier, Stamford Chemical Co.

HYFLO SUPER-CEL, filter powder, Johns-Man-

ville
HYFOAM, detergents, George Stearns Chemical
& Mig. Co.
HYGEA-PINE, pine oil disinfectant, Continental
Car-Na-Var Corp.
HYGRADE, Plastic buttons, Hygrade Button &
Supply Co.
American Laundry Ma.

HYGRADE, plastic buttons, Hygran Laundry Ma-Supply Co.

HY-LO, blanket washer, American Laundry Ma-chinery Co.

HY-SET, bigh temperature bonding mortar, Mexico Refractories Co.

HY-SOL, soap builders, Thompson-Hayward Chemical Co.

HYSPAR, aluminum and white enamel under-paint, Midland Paint & Varnish Co.

HY-SPOT, substitute for chloroform, Stater-Rob-bins Co., Inc.

HYSWEET, new sweetener for use with charged

HYSWEET, new sweetener for use with charged system, Johns-Manwille
HYTEMPITE, high-temperature bonding mortar,
Quigley Co., Inc.
HYTEXAL, built tallow soap, Allen B. Wrisley

HY-TUF, alloy steel, Crucible Steel Co. of Amer-

ICA
HY-V AIR JET, high-velocity concentrated cooling fan, DeBothezat Fans Div., American Machine & Metals, Inc.
HY-WITE, blue, Speare Co.,
HY-WITE, laundry soap, H. Kohnstamm & Co.,
Inc.

IMPERIAL, chest-type ironer, Imperial Laundry Machinery Co. IMPERIAL 90, synthetic drycleaning unit, Pros-

perity Co., Div. Ward Industries Corp. IMPREGNOLE, water repellent, Warwick Chem-

INCO, metal castings, fittings, tubings, nickel alloy fittings, castings, etc., International Nickel

alloy httings, cashing, Co., Inc.
Co., Inc.
INCONEL, alloy of nickel and chromium, International Nickel Co., Inc.
INDEL-O-MARK, indelible automatic marking pen, Mark-O Corp.
INDIAN, laundry soap, North Coast Chemical & Soap Works

NOUSTRIALITE, laundry soap, New South Mfg.

Co., Inc.
INDUSTRIAL, fabric conditioner for wetcleaned garments, Namco Chemical Corp.
INDUSTRIAL, neutral soap chips and powder, Armour & Co.,
INEX, laundry rinsing aid, H. Kohnstamm & Co.,

INGERSOLL-RAND, compressors, blowers, pumps, Ingersoll-Rand Co.
INGRAIN, laundry starch, Industrial Grain Prod-

ucts, Ltd.

ucts, Ltd.

inKeSX, writing ink remover, Patek & Co.

INK-GO, liquid oxidizing agent, A. L. Wilson

Chemical Co.

INK-O, spotting aid, Ink-O Products Co. INK-O-CIDE, ink remover, Coastal Chemical

Corp.
INK-TWINS, wet or dry side spotters, Rusco Chemicals
UNNER-FIN, cooling unit, Dunham-Bush, Inc.
INNER-PACK, steel split repair sleeves, Dresser
Mfg. Div., Dresser Industries, Inc.
INSTANT, moth killer, Berlou Mfg. Co.
INSTANT GRAB TAPE, carpet seaming tape, J-G

Chemists.

NSTITUTIONAL, fabric preservative, conditionINSTITUTIONAL, starch, A. E. Staley Mfg. Co.
INSTANT, tannin stafa remover. Rusco Chemicals
INSULAG, plastic refractory lagging and finishing
material for high-temperature equipment, Quigley Co., Inc. INSULBRIX, insulating firebrick, Quigley Co.,

INSULCRETE, refractory material, Quigley Co.,

Inc.
INTERCHANGABLE ASSEMBLY, F. W. I. assemblies of various types guaranteed for two years, Gibralter Fabrics, Inc.
INTERMATIC, time controls, International Regis-

ter Co.
INTERNATIONAL, chemical mixing machinery,
tanks, International Engineering, Inc.
INTERNATIONAL, garment bags, International

INTERNATIONAL, garment bags, and gasoline Paper Co.
INTERNATIONAL, trucks, diesel and gasoline engines, International Harvester Co.
INVERCARB, pumps, Schrimer-Dornbirer Pump Co.
INVERCARB, zeolite, Hungerford & Terry, Inc.
INVERSAND, water-softening minerals, water softeners, Hungerford & Terry, Inc.
INVINCHELE, industrial vacuum cleaners, Invincible Vacuum Cleaner Mfg. Co.
IN-WEAVING, reweaving, In-Weaving Co. of America

America IODASE, iodine stain remover, Greenville Chem-

ical Co.

IONETTE, wet spotter and penetrant. Krasen
Products, Inc.
Products, Inc.
Products, Inc.
Products, Inc.
IPCO, safety equipment, Industrial Products Co.
IRI-ZON, germicidal sour, Speedlite Chemicals
Co. Div. Patek & Co.
RON CITY, duck cover, Pittsburgh Waterproof
Co.

IRONER OIL, improvement over wax. Eaton

IRONER OIL, improvement over war, Eaton Chemical & Dyestriff Co.

RON FIREMAN, stokers, gas and oil burners, Iron Fireman Mfg. Co.

RONOOIL, ironing surface lubricant, Patek & Co.

RONOOILTE, machine parts lubricating bearings, Amplex Div., Chrysler Corp.

ROQUOIS, safety pins, Rusdon Mfg. Co.

ROQUOIS, soap, Lewis National Corp.

180-THERMA, hot water heating system, Fred H.

Schant Engineering Co.

175-TIX, gummed tape Nashua Corp, Sure-Hold Div.

IVORY, neutral soap, Procter & Gamble Distrib-uting Co.

JAY BEE, super-duty firebrick, Mexico Refrac-

JAY-DEE, fur stretcher, fur and leather softener, mothproofing liquid, Jay-Dee, Inc., Mfg. Chemists

JAYSONET, nets, Jayson's-Div. Jayson Silk Mills JEFFERSON ISLAND, salt, Jefferson Island Salt

Co., Inc.

JEFFERSON THOROBRED, wood and metal laundry and drycleaning washers, Laundry Machinery Div., Jefferson Wood Working Co.

JET, drycleaning equipment, W. H. Nicholson &

Co.
JET FIRE, (Hammond) gas laundry tumbler,
Hammond Laundry-Cleaning Machinery Co.
JETINE, marking ink, H. Kohnstamm & Co., Inc.
JET SELFEED, dispenser for filter powder and
activated carbon, Infilco, Inc.
JETVERTIZER, wrapping paper printer and dispenser, I. J. Connolly, Inc.
JETVEYOR, steam jet ash conveyor, Brady Conmanure Corn.

veyors Corp.

JEWELITE, match books, Universal Match Corp.

J-G BONDER, glue to lay tackless stripping, J-G

Chemists.

JIFFY, cuff and pocket brusher, bagging devices, bag racks, Medalie Mig. Co.

JIFFY, puff irons, Columbia Laundry Machinery

U.O.
HFFY, sock turner, Time Savers, Inc.
HFFY SORTERS, sorting hooks with clip attached,
Frank B. Smith Co.
HFFY-STICK, fak remover, National Cleaners
Chemical Mig. Co.
HFFY STRETCHEB, drapery finisher, Kleen

Hamper, Inc. HF-TY, press covers and pads, Tingue, Brown &

JOHN HANCOCK, marking pens, Samuel Taubman & Co. JOHNSON, flexible metal hose, Johnson Metal

JOHNSON, neurose messa de la composição de la composição

controls, Johnson Corp.

JOHNSTON, steam boilers, Johnston Bros., Inc.

JOINT-SEAL, anti-seize, joint seal and clean-out
plug compound, Armite Laboratories

JOMAC '84', scorch-resistant fabric, Jomac, Inc.

JOMAC 24 K, golden yellow scorch resistant press padding, Jomac, Inc.
JORDAN VALVES industrial regulators, Jordan

JUMBO, metallic wool padding, International Steel Wool Corp. JUMBO, press pads for laundry and drycleaning industry, Keever Starch Co. JUMBO, net pins, Risdon Mfg. Co. JUMBO FLAN-O-WOOL, flatwork ironer pudding.

JUMBO FLAN-O-WOOL, flatwork ironer patieting. Keever Starch Co.
JUNIOR, extractor, Fletcher Works, Inc.
JUNIOR, net pins. Keyes-Davis Co.
JUNIOR CASCADE, haundry washer, American
Laundry Machinery Co.
JUNIOR CHALLENGER, washer, Miller Laundry

Machinery Co.
JUNIORETTE LAUNDRY, small laundry unit, American Laundry Machinery Co.

& B, barrels, bins, boxes, buckets, cabinets, chutes, cylinders, guards, stocks, tanks and ventilating systems, Kirk & Blum Mfg, Co.

ventilating systems, Kirk & Blum Mig. Co.
K.B., soap powder, sour, Kliegman Bros., Inc.
KCX, 4% single bath charge detergent, Keystone
Aniline & Chemical Co.
KCAX, 1% single bath charge detergent, Keystone
Aniline & Chemical Co.
K.D., net pins, identification systems, marking pins,
Keyes-Davis Co.
K.O.P., cocc-potash soap, Armour & Co.
K. T. valves, Klijsfel Mig. Co.
K.Y., heavy fluid lubricant, Keystone Lubricating
Co.

KAL, chlorine bleach, bluing, ammonia, detergent powdered form in individual envelopes, Kaleen Chemical Gorp.

KALITE, calcium carbonate, Diamond Alkali Co. KANE, gas-fired steam boilers, Mears-Kane-Ofeldt,

KAN KIL, insecticide, Colgnte-Palmolive Co. KANTARK, non-renewable fuses, Trico Fuse Mfg.

KANT FALL, spur rolls to attach to rug beater, Moore's Time-Saving Equipment, Inc. KARAGAMI, powdered wax, refined wax, Concord Chemical Co., Inc.

KAR BAR, auto garment rack, Keyes-Davis Co. KARDEX, visible records files, Remington Rand

KARGO-KING, aluminum-alloy van panel truck bodies, J. B. E. Olson Corp. KARPET-KARE, carpet cleaner, Bigelow-Sanford

KARRY KIT BOXES, Package Master, Inc.

I.D.N., iodine stain remover, Package Chemical

I.D.N., IOURE MAIN FRANCES, ARCHAUGE, CO., Inc. CO., Inc. 1MO, rotary pump, De Laval Steam Turbine Co. IAR, liquid spotter for ink stain removal, Caled Products Co., Inc. I-R.-C. lightweight insulating refractory castable and concrete, Mexico Refractories Co. I.S., press clamp, slip chain, racks, Ink-O Products P.

Co.

IXL. laundry soaps, Fry Bros. Co.
IDEAL, filter paste soap, National Cleaners Chemical Mig. Co.
IDEAL, grease cups, Lunkenheimer Co.
IDEAL, grease cups, Lunkenheimer Co.
IDEAL STYLE A, laundry washer, American Laundry Machinery Co.
IGEPALS, synthetic detargents, General Dyestuff Corn.
Corn.

ICEPONS, synthetic detergents, General Dyestuff Corp.
ILG, centrifugal and propeller fans, unit heaters, lig Electric Ventilating Co.
IMCO, drycleaning presses, press head cleaners, puffers, spotting boards and tables, valves, Intercontinental Mig. Co., Inc.
IMPACTOR, valves handwheels, Edward Valves, unc., Subsidiary Rockwell Mig. Co.
IMPERIAL, asbestos pipe covering and blocks, Ruberoid Co.

J.F.S., variable speed reducers, Stephens-Adamson Mfg. Co.

J.M., packings, gaskets, Johns-Manville

JACKSON SOLVAIR COOLER, solvent cooler,
Samuel Jackson Mfg. Co.
JACOBSON, wholesale garment dyer, flameproofing, Lawrence Jacobson Dye Works, Inc.
JANET, necktie presses, glove forms, Henrici
Laundry Machinery Co.
JAN-I-SAR, platform type collector cart for soiled
linen or laundry, Paul O, Young Co.

KATOLIGHT, generators, light plants, Kato Engi-KAY-BEE, cover cloth, Kliegman Bros., Inc. AA1-DEE, cover cloth, Allegman Brus, late.

K-BI, break alkali, Laundry Chemicals Co.

K-BRITE, drycleaning soap, H. Krevit & Co., Inc.

KC-46, simplified file system for handling charge
accounts, Automatic Salesbook Co.

KDK KLOTH, covering for press and flatwork,

R. Lally Co.

KDK KLOTH, covering for press and Batwork, R. Laily Co.

R. Laily Co.

KECKLEY, steam and liquid control equipment, O. C. Keckley Co.

KEE, zippers and slide fasteners, Kee Zipper Corp.

KEEDOL, drycleaning filter soap with antiseptic and mothproofing, A. F. Wolke Co.

KEELER CP, boilers, E. Keeler Co.

KEEN AIR DISHNER, oder absorbent, diaper can deodorant, fumigant, Keystone Chemical Co.

KEENTAR, corn starch, Keever Starch Co.

KEEVEH, rig and carpet size, Keever Starch Co.

KEEVEH CLEANER, cleaner for metal sleeve form and press, Keever Starch Co.

KEKO, moth-repellent garment storage bags, Kennedy Car Liner & Bag Co., line.

KELLER RUG CEMENT, rig cement, 1-G Chemists.

ists.

KELLEY, heat reclaimers, hot-water heaters, storage heaters, Patterson-Kelley Co., Inc.

KELLOGG-AMERICAN, air compressors, paint spray equipment, American Brake Shoe Co., Kellogg Div.

KELMAKER, pressure filters, vacuum traps, sight-glass assemblies, Kelmaker Mfg. Co.

KELSO BLANKET FLUFFER, blanket carding machine. G. A. Braun, Inc.

machine, G. A. Braun, Inc. KEM PRO, nylon cover cloths, Whitehouse Nylon

KEN-BLEACH, dry laundry chlorine bleach, Kenco Chemical Co., Inc. KENCO MOTH SPRAY, moth repellent, Kenco Chemical Co., Inc.
KENCO SUPER CHARGE, all charge systems.
Kenco Chemical Co., Inc.

KEN DDZ, synthetic drycleaning machine, John W. Young KENITE, diatomaceous earth filter powder, Kenite

KENNEDY, paper bags, Kennedy Car Liner & Bag

AENIVED 1, paper usigs, meaning. Co., Inc.
Co., Inc.
KENNEY, water softeners, alters, asolite, Kennsy
Softener & Filter Co.
KENOO, powder synthetic wetcleaning detergent
and water softener, Keystone Chemical Co.,
EAT, inclustrial vacuum cleaners, floor machines,
Kent Co., Inc.
KENTUCKI, trucks, dollies, bores, Kentucky Box
& Truck Co., August Co., August McTRODEX, projective hand cream, Ayerst, Mc-

KERODEX, protective hand cream, Ayerst, Mc-Kenna & Harrison

KETOS, tool steel, Crucible Steel Co. of America KEWANEE, heating boilers, power boilers, storage water heaters, steel tanks, water heating garbage burners, Kewanee Boiler Corp. KEY KLEEN, liquid wetcleaning detergent and oil soup, Keystone Chemical Co. KEY-LOK, brake blocks, Raybestos-Mauhattan,

KEYLUBRIC, air tool lubricant, Keystone Lubri-

cating Co.

KEYPROOF, combination flameproofing and mothproofing agent. Keystone Chemical Co.

KEYSO, drycheaning soon, G &C. Chemical Co.

KEYSPRAY, mothproofing agent and insecticide,

Keystone Chemical Co.
KEYSTONE, alkalis, Swift & Co.
KEYSTONE, extractors, Keystone Laundry Ma-

CRINETY CO.

KEYSTONE, hat sizing, Keystone Aniline & Chemical Co., Inc.

KEYSTONE, leather soap and liquid glove soap, nail polish remover, white kid glove bleach, Keystone Aniline & Chemical Co., Inc.

KEYSTONE, steam generator, Eric City Iron Works

WORKS KEYSTONE, washable service apparel, Keystone Coat & Apron Mfg. Corp. KEYSTONE, wax spot resnover, Keystone Lubricating Co.
KEYSTONE DRI-KLEEN, spot remover, Keystone

Chemical Co.

EX-TAG, automatic mechanical identification
system, Key-Tag Checking System Co.

EX-TEX, filter soap, G & G Chemical Co.

EX-TEX, CONC, drycleaning soap, Keystone
Aniline & Chemical Co., Inc.

Anime of Chemical Co., Inc.

KEYTHOL, deodorizing machine and scent blocks,
Keystone Scent Conditioner Corp.

K-5, laundry soap builder, Wyandotte Chemicals
Corp., J. B. Ford Div.

K-51, alkali, Kenco Chemical Co., Inc.

K-535, low-temperature soap powder, Laundry
Chemicals Co.

K-411, boiler stew, to remove scale deposit, Na-tional Chemical Sales Co., Laboratory, Inc. KIDDE, fire extinguishers, Walter Kidde & Co.,

KIDDYKOLOR, garment bags, Kennedy Car Liner & Bag Co., Inc. KILLARNEY, laundry blue, Patek & Co. KIL-ODE, odorless deodorant, Warco Laboratories
KING BEE, paint, oil and grease remover, Dello
Products Co.

KING-CLIP, gate valve, Lunkenheimer Co.

KIRK'S, spray guns, formers, finishers, Kirk's Leather Cleaners KISCO, boiler room equipment, Kisco Boiler & Engineering Co.

KITAGUNI, Japan wax, Strohmeyer & Arpe Co. KLAMP-ON, pin sets, Moore's Time-Savis

KLEANMORE CONCENTRATE, graphite treatratories, Inc.
KLEANWELL, oil soap, Minnesota Chemical Co.
KLEENAP, rug detergent, H. Kohnstamm & Co.,

Inc.

KLEEN-EM, slightly alkaline soap containing
powder and optical bleach detergent, Bigelow
Chemical Products Corp.

KLEENFLO, activated sweetener powder, L. A.
Salomon & Bro.

KLEEN HAMPER, bundle depository, Garment
Finishing Equipment Corp.

KLEENO-PAD, flatwork ironer cleaner pad, Resillo Press Pad Co.

KLEEN PAK, drycleaners' bags, Diem & Wing
Paper Co.

RILEEN PAK, dycisaners and paper Co.

KLEEN-RITE, coconut-oil soap, National Cleaners Chemical Mig. Co.
KLEEN SHEEN, paste rug soap, Adco, Inc.
KLEEN SUDS, soap, Lewis National Corp.
KLEENSTAT, ironer oil, Gibrattar Fabrics, Inc.
KLEENTEST, moisture dispersing agents for charged system, dry cleaning soaps Kleentest
Laboratories

Laboratories KLEENWELL, Satwork ironer cleaner, R. Lally

KLEERVU, safety eye guard, gauge-glass protec-tor, Wright-Austin Co. KLEER-WITE, no riuse detergent, Marciene Chamical Corn. Chemical Corp.

KLENEASE, liquid wetcleaning soap, Caled Froducts Co., Inc.

uets Co., Inc.
KLERA-CID, laundry sour, Wyandotte Chemicals,
Corp., J. B. Ford Div.
KLEX, pumice soap, Colgate-Palmolive Co.
KLEX, pumice soap, Colgate-Palmolive Co.
KLIEGBILT, alkali, break powder, Kliegman

KLIEGSPUN, nets, cover cloth, Kliegman Bros., KLIEGWEAVE, nets, Kliegman Bros., Inc. KLIKIT, snap fastener service kit, Kaycrest Prod-

KLING "100", laundry and drycleaning tumblers, Kling "100" Corp. Klipt' Corp. KLIPLOK. Mamps for fuse clips, test clamps, Trico Ev. Mig. Co. KLIP-ZIT, drier clips, Time Savers, Inc. K-LIQUID SOAP, liquid soap, Laundry Chemicals

C.S., paint remover, Nu-Pro Mig. Co.
RLIN, paint remover, Nu-Pro Mig. Co.
RLORGENT, synthetic soap, G & G Chemical Co.
RLOR-LENS, spotting solution with chloroform action, Davies-Young Soap Co.
RLORO, liquid detergent for use with synthetic

solvent units, Advo, inc.

KLOTHES-KADDY, Kleen Hamper, Inc.

K-MASTER, steam traps, air filters, blowdown valves, Kaye & MacDonald, Inc.

K-MASTER, Island Gapter Valves, Kaye & MacDonald, Inc.

K-MONEL, heat-treating alloy, International Nickel Co., Inc.

KM-129, odor absorber, doodowant, disinfectant, fumigant, synthetic detergent, chemical water conditioner, Keystone Chemical Co.

KNACK, heavy duty laundry builder, Speedlite Chemicals Co., Div. Patek & Co.

KNIGHT-WARE, acid-proof chemical stoneware, Manufack Valuty

Maurice A. Knight KNITTED PADDING, press pads, Knitted Pad-KNITTED TOP PEERLESS, nylon net, Gibraltar

Fabrics, Inc.
KNOTLOCK, laundry nets, New York Net Co.
KOBO, order neutralizer, spotting board, Eaton.
Chemical & Dyestuff Co.

Chemical & Dyestull Co.

KOKO, liquid wetcleaning soap, Adco, Inc.
KOKOKOET, wetcleaning soap, Stadham Co., Inc.
KOLD, sour, Minnesota Chemical Co.

KOLITE, cold-water built soap, John T. Stanley

Co., Inc.
KOL MASTER, stokers, Kol-Master Corp.
KOLORCARDS, direct-mail customer control sys-

tem, Reba Martin, Inc.
KOLORTEX, industrial soap, Allen B. Wrisley Co.
KOMO, blues, ironer oil, Minnesota Chemical Co.
KOMONOL, organic detergent, Minnesota Chem-

ical Co. K-121-B, break powder, Laundry Chemicals Co. K-122, soap builder, Laundry Chemicals Co. KON-NEC-TOR, mercury switch, General Electric KOOL-PRESS, press head covers, Hobade Asso-

CARCES
KORDITE, transparent, reusable, plastic mothproof storage bags, delivery, shirt, sweater and
blanket bags, Kordite Co., Div. Textron, Inc.
KORO, filter detergent, Nu-Pro Mig. Co.,
KOROLA, French-cuff fastener, Boston Clip & Tag
Co.

Co.,
KOSMETEX, spotter for cosmetic stains and liquors, Patek & Co.,
KOWAXO, ironer wax, H. Kohnstamm & Co., Inc.,
KOYLON, foam pressing pads, U. S. Rubber Co.,
Koylon Div.

ADJION DIV.

KRAN-MER, dyeing, Kran-Mer Corp.

KRASAN CLEAR CHARGE, charged system drycleaning detergent, Krasan Products, Inc.

KREX, hand cream for relieving burns, cuts, etc.,
Caled Products Co., Inc.

KROM-NOX,
Laboratories

KROMOAK, leather and waterproof leather belt-ing, Charlotte Leather Belting Co. KROMOTAN, leather and waterproof leather belt-ing, Charlotte Leather Belting Co.

KRYOLITE, enzymatic digester, Coastal Chemical Corp.

Kols, charge soap, Huntington Laboratories, Inc.

K-SOLVENT, detergent for industrial wetwash.
Laundry Chemicals Co.

K-333, built soap powder, Laundry Chemicals Co. KUFTACKER, stapler for trouser cuffs, Bostitch, Inc. KUNKLE, safety and relief valves, Kunkle Valve

KURB-SIDE, motor truck bodies, J. B. E. Olson KWICK BLEACH, fluorescent bleach, Eaton Chemical & Dyesiuff Co.
KWICK-SET, collar support, strips, Empire Card-

KWIK CHANGE, cover and iron springs, Time Savers, Inc. KWIK-FILE, filing system, Automatic Salesbook KWIK-KLIP, skirt and pants clip, Commercial Tag

KWIK-KOVERS, garment hanger shield, Kwik-Kover Sales Co.

KWIK ON, rug stretching bars, Moore's Time-Saving Equipment, Inc.

KWIK-SET, bag and net holders, Time Savers,

Inc.
KWIK SET, washing-machine timer, H. C.
Thompson Clock Co.
KWIK-TAG, paper and cloth marking tags, KwikKover Sales Co.
KWIK TWISTS, hanger combiners, Gibraltar Prod-

ucis Co.
KWK VOLCLAY, bentonite clay, American Colloid Co.
KYRO AC, synthetic detergent, Procter & Gambie Distributing Co.

KYRO EO, nonionic synthetic detergent, Procter & Gamble Distributing Co.

LDT, humblers, laundry—drycleaning, Western Laundry Machinery Co. L. M. C., pumps, Lubbock Machine Co., Inc. L.N. sour, tags, Lewis National C vp. "LP," steam connectors, Universe! Metal Hose Ca. L.S, teather-sweed chycleaning, onp. Caled Prod-

steam connectors, Universe! Metal Hose Co. ceather-nucle drycleaning .oap, Caled Prod-t Co., Inc. L.S.R., lipstick remover, West Side Corp.

LST, laundry steam tumblers, Western Laundry Machinery Co.

LA BELLE, agricultural disc steel, Crucible Steel Co. of America LABOR MISER, metal button and thread racks, button bins and large spools of thread, Labor Miser, Co.

LACLEDE, grates, stokers, Laclede Stoker Co. LACQUERSOL, spotting agent, Nu-Fro Mig. Co. LA-DOWN STAIZ, collar supports, Time Savers,

Inc.

LA FRANCE, fire extinguishers, American-La France-Foamite Corp.

LAIDLAW, hangers, W. A. Laidlaw Wire Co.

LAILLTEX, steel wool press pads, N. Lally Ca.

LAM-TEX, sponge press pads, rubber floor mats, Pittsburgh Tag Co.

LANE, canvas baskets, trucks, hampers, W. T. Lane & Bros., Inc. als, Inc.

LANICO, wetcleaning soap, Dello Products Co. LANI-TEX, press pads, floor mats, Pittsburgh Tag LANO LUSTRE PROCESS, suede and leather cleaning and refinishing, Lano Lustre Suede &

Leather Co.

LANO-SHEEN, fabric conditioner, blanket and rug soap, Kleentest Laboratories

LAPELETTES, lapel protectors, M. H. Gronsuer

LAQUERSOL, lipstick and nail pollsh remover, Nu-Pro Mig. Co. LARTON, assembly hooks, sorters, Larton Preducts Co., Inc. LASCO, liquid coconut oil, soap builder, Los As-

geles Soap Co.

LATCO, boilers, P. M. Lattner Mfg. Co.

LATEM, time recorders, watchmen's clocks,

Lattem Time Recorder Co.

LATHEM "SENTRY", watchman's clock, Lathem

Time Recorder Co.

Time Recorder Co.
LATHEM "YANGUARD", watchman's clock,
Lathem Time Recorder Co.
LATHERINE, rug shampoo, Continental Car-Na-Var Corp. LATTNER, boiler feed pumps and return systems,

P. M. Lattner Mfg. Co.
LAUNDERETTE, automatic washing machine,

Philoc-Bendix
LAUNDERLOC, recording washwheel thermometer, water level recorder, Foxboro Co.
LAUNDERLUXE, high phosphate laundry soap
New South Mig. Co., Inc.
LAUNDR-EEZ, synthetic detergent, Thompson

Chemical Co.
LAUNDRITE, starch, Citaton Foods
LAUNDRITE, washers and extractors, Troy Laundry Machinery Div., American Machine &
Metals, Inc. Metals, Inc.

LAUNDROMAT, automatic washing machine,
Westinghouse Electric Corp.

LAUNDRO-PAD, pre-cut for laundry presses, LAUNDRO-PAD, pre-cut for launury presses, Arrow Mig. Co.

LAUNDRY COMPOUND, soap builder, Solvay Sales Div, Allied Chemical & Dye Corp.

LAUNDRY SODA, special cleaner, Solvay Process Div. Allied Chemical & Dye Corp.

LAUNDRY SOUB, acid material for neutralizing. Turco Products, Inc.

LAUNDRY SOUB, sours, Diamond Alkali Co.

LAUNDRY SOUB, sours, Diamond Alkali Co.

LAUNETTE, built soap, Procter & Gamble Distributing Co.

LAUNETTE SPECIAL, low sudsing built detergent, Procter & Gamble Distributing Co.

LAUNSO, medium pH built soap, E, F, Drew & Co., Inc. Co., Inc. LAVEKOL, spot washing, General Dyestuff Corp. LAVOX, machinery enamel, Pittsburgh Plate

LAVEKOL, spot washing, General Dyestuff Corp.
LAVOX, machinery enamel, Pittsburgh Plate
Glass Co., Paint Div.
LAWSON, pulleys, hand trucks, wheels, casters.
Menasha Wood Split Pulley Co.
LAYCO, garment hanger, Star Service Hanger
Div., L. A. Young Spring & Wire Corp.
LAYNE, vertical turbine pumps, water treatment
and conditioning equipment, water well supplies, Layne & Bowler, Inc.
LAYTITE, floor coating, Steelcote Mfg. Co.
LE ANN, fur repair and remodeling services, Le
Ann Fine Furs

Ann Fine Furs LEATHERFAST, sucde leather dye, Keystone Aniline & Chemical Co., Inc. LEATHER-LIFE, leather dressing, Nyoco Prod-

ucts Co.
LEATHER-LUSTRE, smooth-leather colors, Keystone Aniline & Chemical Co., Inc.
LEATHER SOAP, leather cleaning and glove soap.
Spix Products Co.
LECTRICK-ICE, water cooler, Uniflow Mfg. Co.
LED, liquid enzyme digester, Signal Chemical Mfg. Co. LED-PLATE, thread and gasket paste, Armite

Laboratories
Laboratories
Laboratories
LEEBAW, counter conveyor, industrial trucks,
Leebaw Mfg. Co.
LEEFF, flexible forms, Leef Bros., Inc.
LEFFEL, automatic underfeed stokers, steam
boilers, James Leffel & Co.
LENACO, baskets, bleaches, blues, ink, ironer oil,
pads, flanuels, press covers, cement, Lewis National Corp.
LENACO NO-SAG, tumbler pads, Lewis National
Corp.

Corp.
LENASOL, disinfectant, Lewis National Corp.
LENO, nylon net, Iselin-Jefferson Co., Inc.
LEPRECHAUN MIST, suede dressing, Lepre-

LEPRECHAUN MIST, suede dressing, Leprechaun, Inc.
LESLIE, controls and regulators, pumps, valves, Leslie Co.
LESO, leather soap, Nu-Pro Mfg. Co.
LESO, leather soap, Nu-Pro Mfg. Co.
LESTOIL, liquid synthetic detergent, Lestoil Inc., subs. Adell Chemical Co.
LESTOIL, liquid detergent, Lestoil Inc., subs. Adell Chemical Co.
LETHOL MOTH FUMIGANT, insecticide, Mortemoth Chemical Laboratories
LEVELENE, textile dyeing assistants, American Aniline Products, lor-setting liquid, American Aniline Products, lor-setting liquid, American Aniline Products, lac.
LEVELOL, stripper, Eaton Chemical & Dyestuff Co.

Co.

LEVELOI, prespot leveling agent, Stamford Chemical Co.

LEVELON, blue, H. Kohnstamm & Co., Inc.

LEVELON, moisture leveler and neutral spotting base, National Cleaners Chemical Mfg. Co.

LEVER FORMULA 776, 777, 880, all-purpose granules, mild faskes, heavy detergents, Lever Brothers Co.

LEVER LIQUID DW 300, light duty synthetic detergent liquid, Lever Bros., Co.

LEVER SOAP, high-titer chips, granules, Lever

Brothers Co.
LEWIS, baskets, trucks, G. B. Lewis Co.
LEWIS, rug binding machines, Lewis Invisible
Stitch Machine Co.
LEXARD, milled toilet soap, Swift & Co., Industrial Soap Dept.
L-4008, laundry starch, Clinton Foods Inc.
LIBERTY, fiber tag material, marking tags, Liberty
Marking Tag. Inc.

Marking Tag, Inc.
LIFE FOR FABRICS, water repellent and fabric
conditioner, Franklin Research Co.
LIFETIME LINEN TAPE, mending tape, Hughes

LIFETIME MOTHPROOFING, moth repellent,

LIFETIME MOTHPROUFING, moth repellent, Sibur Mothproof Co.
LIFE-TUBE, ball-bearing pillow blocks and flange units, T. B. Wood's Sons Co.
LIFT, promoted synthetic detergent, Lustrol Drycleaning Products, Div. Patek & Co.
LIFTYEYOR, inclined belt conveyor, Mechanical Handling Systems, Inc.
LIGHTER METHOD, laundry packages, Sutherland Papers Co.

LIGHT-LOADER, belt conveyors, New London

Engineering Co. LIGHTNING BLEACH, fast acting wool bleach, Lustrol Drycleaning Products, Div. Patek & Co. LIGHTNING, drycleaning, fur and upholstery cleaning compounds, Mortemoth Chemical Lab-

LIGHTNING, water-repellent dip tank, Hopkins LIME-SOLV, calcium solvent, H. Kohnstamm &

Co., Inc.
LINCOLN, rug and carpet redyeing, Lincoln-Hudson Rug Dyers, Inc.

LINDY, drycleaning and laundry marking pens, Lindy Sales Co. LINEN, laundry sour, Keever Starch Co.

Lindy Sales Co.

Linen, laundry sour, Keever Starch Co.

Link-Belt-T, chains, conveyors, power transmission machinery, Link-Belt Co.

Linn, special bodies, delivery trucks, Linn Coach & Truck Div., Great American Industries, Inc.

Linota, disinfectant, Lincola Research, Inc.

Lintental Co.

Lintental Co.

Lintental Compound, Dixo Co., Inc.

Lintental Co.

Lindental Co.

Lindental Co.

Lindental Co.

LION-BILT, work uniforms, Lion Uniform Co, LIP-I-CATER, lipstick and lacquer remover, W. F. Johnson Products Co. LIPOFF, cleaning compounds, Mortemoth Chemical Laboratories LIPSTICK-MUV, lipstick remover, Package Chem-

ical Co., Inc.
LIQUA-BREAK, washroom detergent, Davies-Young Soap Co.
LIQUA-PEL, weatherproof, Edelmuth Mfg. Chem-

ists
LIQUID BLUE "G," blue, Diamond Alkali Co.
LIQUID BLUE, H. Kohnstamm & Co., Inc.
LIQUID BLUE "R", blue, Diamond Alkali Co.
LIQUID DRICLENE, drycleaning detergent, Amour & Co. LIQUID-LITE, liquid brightener, laundry, Tower

Chemicals, Inc.
LIQUID MILEAGE, laundry blue, Keever Starch LIQUID MORTEMOTH, insecticide, Mortemoth

Chemical Laboratories
LiQUID REGAL, anionic neutral liquid syndet,
Armour & Co., Industrial Soap Dept.
LIQUIVATOR, condensate return system, More-

d Mfg. Co. OR CHLOROXYLENOLIS, disinfectant, Lincoln Research, Inc. LISTMAKER, listing machines, National Marking

Machine Co. LITTLE BOLT, pocket material, B. & G. Lieberman Co., Inc. LITTLE CHIEF, pumps, Fairbanks, Morse & Co. LITTLE GIANT, water spray gun, Stebbinr Mfg.

& Supply Co.
LITTLE JOE, adjustable garment hanger, Keyes-Davis Co.
LITTLE SCOTCHMAN, Scotch marine boilers,
U. S. Hoffman Machinery Corp.
LITTLE WARRIOR, metal washer, Illinois Laundry Machinery Mig. Co.
LITTLE WONDER, electric whiskbrush machine,

American Pressboard Co.

LIVE OAK, leather transmission belting, Eagle
Belting & Leather Co.

LIXATE, rock-salt dissolver, International Salt

LIXALE, FOLKARD, CO., Inc. Co., Inc. Co., Inc. L. N. 4, spotter and stripper, Lewis National Corp. LOAD-RING, laundry and drycleaning tumbler, Hoyt Mfg. Corp. LOADTROL, reclaimer, Hoyt Mfg. Corp. LOCK END, trouser guards, necktie forms, Paulin Products Co.

Products Co.

LODESTAR, electric hoist, Chisholm-Moore Hoist
Div., Columbus McKinnon Chain Corp.

LO-DOOR MAMMOTH CASCADE, laundry
washer, American Laundry Machinery Co.

LOEBL, garment, rug redyeing, Loebl Dye Works,

LOGIK, soap builder, Minnesota Chemical Co. LO-HED, hoists, car pullers, American Engineer-LOK-TITE, marking tags, Liberty Marking Tag

Co., Inc.
LO-MAINTENANCE, electric motors, Allis-Chalmers Mfg. Co.

LONGBOY, laundry net, Carson Textile Co., Inc.

LONGLIFE, ironer aprons, ironer ribbons, Tingue,

Brown, & Co. LONGWEAR, F. W. I. aprons, Tingue, Brown &

Co.

LOOKOUT, steel steam power boilers, Lookout Boiler & Mig. Co.
LO-SET, high temperatures mortar, Mexico Refractories Co.
LOSET, stokers, Canton Stoker Corp.
LOSTOKER, boiler stoker, Detroit Stoker Co.
LOT SYSTEM TAG-O-MATIG, marking machine for lot system identification, Textile Marking Machine Co. Inc.

for lot system identification, Textile Marking Machine Co., Inc.
LOUDEN, conveyors, cranes, hoists, Louden Machinery Co.
LOX-STRIP, collar supports, Time Savers, Inc.
LOYAL, automatic starcher, Armstrong Machinery Co.

Co.
LOYAL, pressing machines, vacuum systems, starching machines, Loyal Textile Machinery Corp.
LT 60, built red off soap, Allen B. Wrisley Co., LT-252, protein digester, Pabst Brewing Co., Industrial Products Div.
LT-253, protein digester, Pabst Brewing Co., Industrial Products Div.
LT-253, protein digester, Pabst Brewing Co., Industrial Products Div.

LUBEFLEX, starch aid lubricant, Hood Chemi-cal Co., Inc., Crescent Div.

LUB-N-WAX, powdered ironer wax, Speare Co. LUBRI-KLEEN, lubricating agent for ironers and presses, Paper Chemicals Co. LUECKE, drapery pleat-folder, steam vacuum ta-

ble, stretcher, topper, hangers (shop) and gen-eral use, Luccke Drapery Pleating Machine Co. LUMAR, textile softener powder, Marlyn Chemi-cal Co., Inc.

LUNKENHEIMER, valves, boiler mounts, lubricators, grease cups, gauges, etc., Lunkenheimer Co.

LUSE'S LO-SUDS, synthetic detergents, Wm. K.

LUSE'S LO-SUDS, synthetic detergents, Wm. K.
Luse & Co.
LUSTERETTE, portable fur ironing and glazing
machine, Reliable Fur Storage Equipment Co.,
Div. Reliable Machine Works, Inc.
LUSTER FIXE, sour, H. Kohnstamm & Co., Inc.
LUSTER-PLATE, press plate for silks, Bishop
David Freeman Co.
LUSTERSUDS, soap, H. Kohnstamm & Co., Inc.
LUSTERWAY, drycleaning system for franchise
basis, McCleary Associates, Inc., and/or Root
& Co.

LUSTERWAY COMPOUND, fur cleaning sawdust. Root & CO.

LUSTERWAY FORMULA, fur conditioner and glaze. Root & CO.

LUSTERWAY SOLVENT, fur cleaning solvent. Root & CO.

LUSTOL, products for drycleaning. Patek & Co., Lustrol Drycleaning Products Div.

LUSTRALL, liquid synthetic cleaner, National Cleaners Chemical Mfg. Co.

LUSTRE SEAL, floor sealing and repair material, Keystone Chemical Co.

LUSTRO-KLEEN, liquid wetcleaning soap, Slater-Robbins Co., Inc.

Robbins Co., Inc.
LUSTRON, flatwork ironer, American Laundry

Machinery Co.

LUX FLAKES, pure soap, Lever Bros., Co.

LUX FLAKES, pure soap, Lever Bros., Co.

LUXOL, starch lubricant, E. F. Drew & Co., Inc.

LUXOR FLASTIC, transparent garment bags,

Rassenfoss Bag Co., Inc.

LYDET, liquid synthetic detergent, Beach Soap Co.

Me

McDonnell & Miller, Inc.
McELMOYL, canvas baskets, canvas shipping hampers, canvas basket trucks, M. J. McElmoyl Co.
McKEE-ECLIPSE, blowers, boiler feed and return systems, gas burners, controls, Eclipse Fuel Engineering Co.

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M&M, break booster, M & M Chemical Co. M & M, boilers, level controls, McDonnell & Mil-

M & M, Dollers, level controls, McLouniel & Salvier, Inc.
MIF, pipe fittings, Malleable Iron Fittings Co.
MiK-O, automatic boiler feed systems, MearsKane-Ofeldt, Inc.
M. L. B., waterproof cemented leather belting and
dressing, Milwaukee Leather Belting Co.
MacCarl. FOG BLASTER, sprayers, MacCarl

Co., Inc.
MacCARL FOG MAKER, sprayers, MacCarl Co.,

MACHETA AIRFOIL, industrial ventilating fans, Aerovent Fan Co. MACKLER, fur cleaning equipment, B. Mackler

MAFORCO, fur storage equipment, racks, Market

Forge Co.

MaGIC, double collar support, J. W. Steele & Co.

MaGIC, tog measuring table, Moore's TimeSaving Equipment, Inc.

MaGICARE, drycleaning process, MinneapolisHoneywell Regulator Co.

MaGIC BELT RING, belt holder, A. G. Vara &

Son. Inc.

MAGIC CORNER, boxes, Sutherland Paper Co.

MAGIC-DIAL, call office conveyor (bundles and
garments), Forse Corp.

MAGIC INSTICK, ink eradicator, Nu-Pro Mfg.

MAGIC-SEAL, shirt bands, Century Paper Prod-

MAGIC SPOTTER, medicine remover, Dello Prod-

ucts Co.

MaCLA SILVER, cover cloth, Magla Products

MaCLINER, package, garment, hand and platform trucks, dockboards, roller conveyors and
barrel skids, Magline, Inc.

MAGNESOL, adsorptive filter powder, Westvaco
Chlor-Alkali Div., Food Machinery & Chemical

MAGNETROL, liquid level controllers, Fred H Schaub Engineering Co., Inc. MAGNETTE, circuit breakers, Heinemann Electric

MAGNISET, a type of free vane air-operated controller, Bristol Co. MAJESTIC, steel steam boilers, Ames Iron Works MAJOR, lubricators, Lunkenheimer Co. MAJOR, nylon net, Gibralter Fabrics, Inc.

MAMMOTH CASCADE, laundry washer, American Laundry Machinery Co.
MANHATTAN, nylon net, knitted, Gibraltar Fabrics, Inc.

MANHATTAN, hose, rubber, Revolite Div., Raybestos-Manhattan, Inc.

MANISOLV, prespotter, Merson Products Co.

MANISOLVOC, "FASHION AWARD," drycleaning systems, filters, Manitowoc Engineering

MANITOWOC-OLSON, top-Engineering Corp.
MANYWASH, nylon nets, Tingue, Brown & Co.
MARATHON, ironer tape and feed ribbons, as-bestos ironer covers and pads, black nylon cloth MANITOWOC-OLSON, tubular filter, Manitowoc bestos ironer covers and pads, black nylon crotn, Benwall Mfg. Co. MARATHON, flatwork ironer padding, Southern

Mills, Inc.
MARCLENE, charge detergent, penetrant wet prespoter, Marclene Products Corp.
MARCO, hot-water heaters, storage heaters, feedwater heaters, oil separators, Marshall Heater

Co.

MARIOO, racks, lighting fixtures, Cleaners Sales & Equipment Corp.

MARINE, grease cups, Lunkenheimer Co.

MARIONETTE, shirt bands, hanger shields, collar supports and combination shirt bags, Marion Mig. Co.

supports and combination shirt bags, Mariou Mig. Co.
MARK-FLOW, identification and handling equipment, Keyes-Davis Co.
MARKMASTER, laundry marking machine, National Marking Machine Co.
MARKOGRAPH, marking machines, marking ink, George Steigher Co.
MARK-O-INK, indelible marking ink, Mark-O-Corn. MARK-O-PEN, indelible marking pen, Mark-O

Corp.
MARK RITE, tags, Lewis National Corp.
MARKRITE, laundry marking ink, Patek & Co.
MARLATE, insecticide, E. I. du Pont de Nemeurs

& Co., Inc.

MARLOW, filter, oil, solvent and water pumps,
Marlow Pumps, Div. Bell-Goasett Co.

MAR-MAR, rug drycleaning machine, Mar-Mak
Machinery Mig. Co.

MARMON-HERRINGTON, all wheel drive track,
MARMON-HERRINGTON Co., Inc.

MAROSAL, rinsing aid, Minnesota Chemical Co.,
Inc.

Inc.
MARPEL, water repellent, Marclene Products

Corp.
MARSH, valves, Jas. P. Marsh Corp.
MARSHALL'S, spotters, Marshall Co.
MARTEX, non-slip composition flooring, treads,
American Abrasive Metals Co.
MARTIN, drycleaning and finishing equipment,
Martin Equipment Co., Div. American Laundry
Machinery Co.

Machinery Co., Martinery Co., Martinery Co., drycleaning system, Martinizing, drycleaning system, Martinizing, Div. American Laundry

MARTINIZING, drycleaning system, Martin Equipment Co., Div. American Laundry Machinery Co.
MARVA, scrubbing soap, Marvella Corp.
MARVEL, cotton padding, canvas cement, Pittsburgh Waterproof Co.
MARVEL, ink remover, Keystone Aniline & Chemical Co., Inc.
MARVEL, laundry, drycleaning equipment, Marvel Mig. Co.

MARVEL, mundry, uryscannel, rubber glass and rubber enamel floor resurfacing materials; rubber glass and rubber paint, rug shampoo, wax and oil remover, upholstery shampoo, Marvella Corp.
MARVELO, built soap powder, West Side Corp.
MARVESO, drycleaning soap, Nu-Pro Mfg. Co.
MASONEILAN, steam plant equipment, Mason-

MASONELLAN, steam plant equipment, MasonNeilan Regulator Co.

MASS PRODUCTION CURTAIN DRYER, 3-way
curtain drier, National Dryer Mfg. Co.

MASTER, drying tumblers, Hammond LaundryCleaning Machinery Co.

MASTER, evaporative coolers, Essick Mfg. Co.

MASTER, evaporative coolers, Essick Mfg. Co.

MASTER, glove cleaning soap, Keystone Anilize
& Chemical Co., Inc.

MASTER, int brush, Master Products Co.

MASTER, nylom nets, X. S. Smith, Inc.

MASTER, presses, laundry and drycleaning equipment, Master Machinery Co.

MASTER, soaps, Lasco Supply Co.

MASTER, solvent recovery units (muck), Master
Mfg. Co.

MASTER, volvent recovery units (muck), Master
Mfg. Co.

MASTER, work gamments, Geo. Master Div.

MASTER-BILT, solvent cooler, Master-Bilt Refrigeration Mfg. Co.

MASTER BRAND, hatters' equipment, supplies

MASTER BRAND, hatters' equipment, supplies
Maxant Button & Supply Co.
MASTER CASCADE, laundry washer, American
Laundry Machinery Co.
MASTER CHALLENGER, washer, Miller Laundry
Machinery Co.

dry Machinery Co.

MASTER COLLECTOR CART, aluminum or steel
soiled linen or laundry cart, Paul O. Young Co.

MASTER CONTROL UNIT, steam system, Velocity Steam Production Engineering, Inc.

MASTER DRY CLEANSER, paste drycleaning soap, Keystone Aniline & Chemical Co., Inc.

MASTER KING, net pins, Keyes-Davis Co.
MASTERMATIC, washer control, American Laundry Machinery Co.
MASTER PLATE, floor resurfacing concrete,
Master Builders Co.

MASTER QUICK, floor patching concrete, Master Builders Co.

MASTER SEAL, self-seal shirt bands, Package
Masters, Inc. Masters, Inc.

MASTER SELF-SEAL, shirt bands for advertising
messages, Package Masters, Inc.

MATCHLESS, monorail trolley, Chisholm-Moore
Hoist Div., Columbus McKimom Chain Corp.

MATCHORAMA, match book, Universal Match

Corp.
MATEER, extractors, Western Laundry Machinery Co.

MAXANT MASTER, pleating machine, Maxant Button & Supply Co.

MAX-EL, machinery steels, Crucible Steel Co. of

America
MAYTAG, automatic washer and dryer, coin operated, Maytag Co.
MEASUREGRAPH, drapery measure, Morey Sel-

din Machinery Corp.

MECLASOL, washroom detergent, Carlton Chem-

MECLASOL, wasnroom octogens, varied Co., inc.

MECOLOID, colloidal clay compound, H. Kohnstamm & Co., Inc.

MEHL, transparent bags, Mehl Mfg. Co.

MEMO TAGS, pre-printed instruction tag, Larton

Froducts Co., Inc.

MENDEX, tabs and tapes for repairing marking,

Mendex Corp.

MEND-MASTER, machines for applying tapes or
tabs Mendex Corp. tabs, Mendex Corp.
MENTOR BEADS, synthetic detergent, Colgate-Palmolive Co.

MERASOL, colorless drycleaning detergent, R. R.

Palmolive Co.

MERASOL, colorless drycleaning detergent, R. R.

Street & Co., Inc.

MERCHANDISER, delivery truck bodies for

stripped forward control chassis, Boyertown

Auto Body Works

MERCURY, cleaning systems, filters, stills, tum
blers, Mercury Cleaning Systems, Inc.

MERCURY, presses, Troy Laundry Machinery

Div. American Machine & Metals, Inc.

MERCURY NUMATIC, fully automatic air oper
ated valves, Mercury Cleaning Systems, Inc.

MERMAID, break powder, Los Angeles Snap Co.

MERMAID, break powder, Los Angeles Snap Co.

MERMAID, surface active agent, E. I. du Pont

de Nemours & Co., Inc.

MERNOIS, surface active agent, E. I. du Pont

de Nemours & Co., Inc.

MERNOS, soape, strippers, Merson Products Co.

MERTEX, drycleaning soap, Merson Products Co.

MERTEX, drycleaning soap, Merson Products Co.

MERTALATE, laundry chemical, Diamond Alkali

Co.

METASILICATE. detergent, Diamond Alkali Co.

Co.
METASILICATE, detergent, Diamond Alkali Co.
METEOR, electric hoist, Chisholm-Moore Hoist
Div. Columbus McKinnon Chain Corp.
METALA-COTA, boiler water treatment, State

METALA-COTA, boster water treatment, State Mfg. Co., Inc.
METLWAL, metal partitions and paneling, Prosperty Co., Div., Ward Industries Corp.
METLWAL, JR., ratling high partitions, Prosperity Co., Div., Ward Industries Corp.
METRO, delivery truck bodies for light, bulky loads, Metropolitan Body Co., Inc., sub., International Haynester, 1

nation, metropontan nouv Co., Inc., sub., International Harvester Co.
METSO, detergents, Philadelphia Quartz Co.
METSO 55, silicate-type cleaner, Philadelphia
Quartz Co.

WETSO ANHYDROUS, anhydrous sodium meta-silicate, Philadelphia Quartz Co. METSO GRANULAR, sodium metasilicate penta-hydrate, Philadelphia Quartz Co. METSO 99, sodium sesquisilicate, Philadelphia

Quartz Co.
METSO 200, sodium orthosilicate, Philadelphia Quartz Co.

MEXICAST, plastic refractory concrete, Mexico
Refractories Co.

MEX-LOX, jointing material, Mexico Refractories

MEYERCORD, truck decals, Meyercord Co.
MEYERCORD, truck decals, Mexico Refractories Co.
M-5, M500, dycleaning washers, Western Laundry Machinery Co.
MICROMET, rust and corrosion preventative, Cal-

gon, Inc.
MIDCO, flameproofing agent, Merson Products Co.
MIDGET, continuous towel cabinet, Steiner Sales

Co.
MIDGET, controls, Morehead Mfg. Co.
MIDGET, static eliminator for industrial machinery, Simco Co.
MIDGET KING, marking pins, Keyes-Davis Co.
MIDGET-KING, marking pins, Keyes-Davis Co.
MIDGET-MATIC, laundry washers, Hammond Laundry-Cleaning Machinery Co.
MIDGET PERFECTION MARKER, marking machine, Perfection Marking Machine Co.
MIDOFORM, all-around spotter, Merson Products Co.

Co.

MIDWEST, filters, tube type, washer extractor combination, Midwest Machinery Co.

MIL-CIDE, mildew preventative, Speare Co.

MILCO, colorback (for restoring color to faded fabrics), shampoo, A. O. Miller & Co.

MILDEW-CHEK, mildew preventative, Chek Products Inc.

Products, Inc.
MILDEX, mildewicide, Patek & Co.
MILDUSIZE, drycleaning mildew preventative.

Gidex Corp.

MILEAGE BOOSTER, vapor-adsorbing machine,
Vic Manufacturing Co.

MILLER, laundry washers, Miller Laundry Machinery Co.

MILLICAL, calcium carbonate, Diamond Alkali

Co.
MILLSPRAY, insecticide, Keystone Chemical Co.
MILNOR, laundry, drycleaning extractors, washers, Pellerin Milnor Corp.
MILTROL CONSOLE, automatic washer control,
Pellerin Milnor Corp.
MINCO, sours, Minnesota Chemical Co.
MINIATURE SLEEVERS, sleeve formers, Wichita
Precision Tool Co. Inc.

MINIATURE SLEEVERS, sleeve formers, Wichita Precision Tool Co., Inc.
MINI-LINE, pneumatic indicators and controls, Bailey Meter Co.
MINISUDZ, low-sudsing synthetic detergent, Beach Soap Co.
"MINIVAN" MODEL MP-6, door-to-door delivery body on special Dodge chassis, Boyertown Auto. Body Works.

ery body on special Dodge chassis, Boyertown Aut. Body Works MINUTE MAN, extractor, presses, Troy Laundry Machinery Div., American Machine & Metals,

Inc.
MINUTE MAN, JR., tumblers, Troy Laundry Ma-chinery Div., American Machine & Metals, Inc.
MIRACLE-MATIC, washer-extractor, drycleaning and laundry, Hammond Laundry-Cleaning Ma-

and laundry, Hammond Laundry-Cleaning Machinery Co.

MIRACLE MONIX, rug cleaning compound, mothproofing agent, Monix Co.

MIRO SPRA, Nu-Pro Mig. Co.

MIROZA, rug cleaning system and machine, rug duster, rug dryrnoom conveyor, rug drying unit, rug wringer, American Laundry Machinery Co.

MISTON BELL, toilet soap, Los Angeles Soap Co.

MISTO, steam spotter, Pennsalt Chemicals Corp.

MITCO, drycleaning washer, tumblers, J. B. Mitchell Co.

MIXIN MASTER, moisture dispersing agent, Ellenbogen & Shannon, Inc.

MIZON, rug cleaning detergent, Fumol Corp.

MIZON, rug cleaning detergent, Fumol Corp.

MKAYO, boilers for oil firing, Mears-Kane-Ofeldt, Inc.

Inc.

MO, clothing mfrs. presses, Prosperity Co., Div.,
Ward Industries Corp.

MOBILE HAMPER, clothes cart, R. B. Smith Co.
MOBILMARKER, storage bin, marking hopper and
marking table, Bishop David Freeman Co.
MOCO, drycleaning soap, fabric deodorant, liquid
wetcleaner, spotter, dye pads, Package Chemical
Co.. Inc.

wetcleaner, spotter, dye pads, rackage Chemical Co., Inc.

MODEL 500 and 50, drycleaning washer, conventional types, Western Laundry Machinery Co.

MODEL 300, drycleaning extractor, Western Laundry Machinery Co.

MODINE, unit heaters, coolers, Modine Mfg. Co.

MODINE, tire recapiliding and repair materials, Mohawk Rubber Co.

MOGRIEY, tire recapping stock, tire rebuilding materials, Mohawk Rubber Co.

MOGMW, tire recapping stock, tire rebuilding materials, Mohawk Rubber Co.

MOHAWE, padding, Egan Cotton Mills

MOHAWE, tallow soap chips and powder, Swift & Co. Inc.

MOHAWE, tire recapping stock, tire repair materials, Mohawk Rubber Co.

MOHAWE, the recapping stock, tire repair materials, Mohawk Rubber Co.

MOHAWE, the recapping stock, tire repair materials, Mohawk Rubber Co.

terials, Mohawk Rubber Co. MOLAFORM, stain remover, Package Chemical

Co., Inc.
MONAD G, neutral synthetic detergent, Colgate-Palmolive Co.
MONARCH, synthetic solvent drycleaning ma-chine, Detrex Chemical Industries, Inc.
MONARCH, washer, American Laundry Machin-

ery Co. MONARCH, water pumps, chemical and mechani-cal water conditioners, water filters, softening and treatment equipment, zeolite, Monarch En-

gineering Co.

MONARCH HI-LO, washer-extractor combination
(laundry), Monarch Laundry Machinery Corp.
MONARCH H-O, 25 lb. automatic open end
washer, Monarch Laundry Machinery Corp.
MONEL, alloy of nickel and copper, International
Nickel Co. Nickel Co. MONELLO, Monel pads for overall presses, Resillo MONEX, extractor, American Laundry Machinery

Co.
MONTE, insured mothproofing, Monite Co., Inc.
MONDBLOC, close-coupled centrifugal pumps,
Worthington Pump & Machinery Corp.
MONO-CHROME, charmee base plastic refractory,
Mexico Refractories Co.
MONO-FABRIK, plastic firebrick, Mexico Refrac-

MONOFLO, rotary cable conveyor, M-H Standard

MONOFLO, rotary cable conveyor, M-H STABBARTO CO.

MONO-LINE, plastic firebrick, Quigley Co., Inc.
MONROE, accounting and business machines,
Monroe Calculating Machine Co., Inc.
MONTPELLER, truck bodies for laundry and linen
supply delivery, Montpelier Mig. Co.
MOORE, autographic register, Moore Business
Forms, Inc.
MOORE, trolley conveyor, Chisholm-Moore Hoist
Div., Columbus McKinnon Chain Corp.
MOORES OCTOLENE, rug cleanser, Moore's
Time-Saving Equipment, Inc.
MORAN, paint products, Moran Paint Co.
MO-REX, dry press firebrick, Mexico Refractories
Co.

MORHEAT, boiler and steam generators, Morheat

MOROCCO, rug sizings, National Starch Products, Inc.
MORSE, drum plug wrench, drum dispensing
racks, bottle tippers, drum hand trucks, Morse

racks, bottle tippers, drum hand trucks, Morse Mfg. Co., Inc. MOTEX, laundry estractor, American Laundry Machinery Co.

MOTEX, mothproofer, Coastal Chemical Corp. MOTH-ASEPTIC, mothproofing germicide, Perm-Aseptic Corp.

MOTH-CHEK, mothproofing agent, Chek Prodnott. Inc.
MOTHPROOFITE, insecticide, methproofing concentrate, Mortemoth Chemical Laboratories
MOTH-SAN, methproofing agent, Huntington
Laboratories, Inc. Laboratories, Inc.
MOTH SEAL, storage bags, Lincoln Bag Co., Inc.
MOTH SECTOL, dual-action moth spray, Fumol MOTO-BELT, belt conveyors, New London Engi-MOTOPUMP, water supply pump, Yeomans Bros. MOTORCOMPRESSOR, air compressors, Ingersoll-Rand Co. MOTOR PUMP, solvent and water pump, Ingersoll-Rand Co.

MOUNT VERNON, cloth, asbestos, cover, filter, press, twine and uniform, Mount Vernon Mills, nc.
P. 189, wetting and dispersing agent, Lewis MRS. STEWART'S, liquid bluing, Luther Ford & Co.
M. S. A., first aid and safety equipment, salt tablets and dispensers, Mine Safety Appliance Co.
M-300, extractors, Western Laundry Machinery M-300, extractors, vesters and the control of the c Co.

MULTI-CLEAN, all-purpose scrubbing machine for rugs and carpets, Multi-Clean Products, Inc. MULTI-CLEAN ANTI-SLIP WATER PROOF FLOOR WAX, emulsion waxes, Multi-Clean Products, Inc.
MULTI-COUNTER, counting devices, Multi-Counter Mig. Co. MULTI-CUSHION, felt padding, Pittsburgh Waterproof Co. MULTIFLEX, calcium carbonate, Diamond Alkali Co.

MULTIGRAPH, hand-operated duplicating machine, Addressograph-Multigraph Corp.

MULTIGRIP, floor plates, U. S. Steel Co.

MULTI-MOUNT, electric power drive, Sterling Electric Motors, Inc.

MULTI-PHOS, phosphate regenerator, Speedlite Chemicals Co., Div. Patek & Co.

MULTITHERM, air-conditioning units, Clarage Fan Company Fan Company MULTI-V DRIVE, V belt drives and sheaves, Worthington Pump & Machinery Corp. MURCO, unit heaters, D. J. Murray Mfg. Co. MUROZA, feather cleaning and sterilizing systems, American Laundry Mechinery Co. MW 59, asbestos furnace cement, Philip Carey Mfg. Co. Mfg. Co. MYCEL, drycleaning process, R. R. Street & Co., Inc.
MYRO, water softeners, Hungerford & Terry, Inc.
MYSTRON, drycleaning unit, U. S. Hoffman
Machinery Corp.

N-C., staples, stapling machines, Neva-Clog Products, Inc.
N.C.S., drycleaning soap, National Cleaners
Chemical Mfg. Co.
N-L, plastic impregnated tags, ink, Wm. J. Nicholson Laboratories
N-M-D, globe, angle, check and quick operating
valves, Lunkenheimer Co.
N. P., stain remover, glove color, dry type water
repellent, stripper, size, suede oil, Nu-Pro Mfg.
Co. N-C, staples, stapling machines, Neva-Clog Prod-N R, laundry sour, Kenco Chemical Co., Inc. N-R-G, enzymic digester, George E. Mead Co. NABORETTE, small family service laundry, American Laundry Machinery Co. NACCONOL, synthetic organic detergent, Na-tional Aniline Division, Allied Chemical & Dye Corp. NAIROIL, small oil burners, National Airoil Burner Co., Inc. NAJORT, laundry washers, R. Ewing & Sons, NAL, tannin spot remover, Signal Chemical Mfg. ALCITE, resinous, ion exchangers, National Aluminate Corp. NALCITE, NALCO, heating units for driers, North American Electric Lamp Co. NALCO, water-treatment chemicals, National Aluminate Corp. NALAX, nail polish remover, Warco Laboratories

NAMCO, boiler compound, dry and wet water repellents, fabric finishing compounds, Namco Chemical Corp. NAPOLENE PASTE FILTER SOAP, dryclean-ing soap, Keystone Aniline & Chemical Co., NAPSEPTIC, sour, E. F. Drew & Co., Inc. NAPSOAP 22, 60, laundry soaps, E. F. Drew & NAPSOLV, spotting agent, E. F. Drew & Co., Inc.

NAPSOLV, spotting agent, E. F. Drew & Co., Inc.

NAPSOLV, spotting agent, E. F. Drew & Co., Inc. Inc. NAPSO 22, oil built soap, E. F. Drew & Co., Inc. NAPSUDS, rug and carpet soap, E. F. Drew & NAPSO 22, oil built soap, E. F. Drew & Co., Inc.
NAPSUDS, rug and carpet soap, E. F. Drew & Co., Inc.
NAPTEX. oil built soaps, E. F. Drew & Co., Inc.
NAPTEX. oil built soaps, E. F. Drew & Co., Inc.
NAPTHANIL, dye bases, E. I. du Pont de Nemours & Co., Inc.
NAPTHOLE, alkali compound, special detergents, E. F. Drew & Co., Inc.
NAPTHOLE, inoner oil, E. F. Drew & Co., Inc.
NAPTHOLE, be medium-high pH detergent, E. F. Drew & Co., Inc.
NAPTHOLE, complete laundering detergent, E. F. Drew & Co., Inc.
NAPWAX, ironer wax, E. F. Drew & Co., Inc.
NASHAWAY, self sealing paper bands, Nashua Corp., Sure-Hold Div.
NASHUA, double-face flannel, Nashua Textile Co.
NASHUA, package sealing machine, Nashua Package Sealing Co.
NATIONAL, boiler seam protector, National Boiler Protector Co.
NATIONAL, cash registers, accounting, adding, bookkeeping machines, salesbooks and forms, National Cash Register Co.
NATIONAL, charge test kits for strong soap, National Cleaners Chemical Mfg. Co.
NATIONAL, fans, stretchers, drying cabinels, tumblers, National Pryer Mfg. Co.
NATIONAL, fans, National Engineering & Mfg. Co.
NATIONAL, fans, National Engineering & Mfg. Co. Co.

NATIONAL, dry size, used with Stoddard solvent and perchlorethylene, National Cleaners Chemical Mfg. Co.

NATIONAL, forced air ventilating system, National System of Garage Ventilation, Inc.

NATIONAL, marking equipment, marking ink, belt conveyors, National Marking Machine Co.

NATIONAL, soot remover and rust-preventative treatment, National Chemical Sales Co., Laboratory, Inc. treatment, National Chemical Gases
attory. Inc.
NationAl., tape dispenser, Nashua Corp.
NatioNAL AlROIL, oil burners and gas burners,
National Airoil Burner Co.
NATIONAL "CLASS 41", accounting machines,
National Cash Register Co.
NATIONAL LANG, listing machines, National
Marking Machine Co.
NATIONAL REWEAVING SERVICE, reweaving
equipment, Wonder Weavers
NATIONAL TAYPER, sealing machine, Nashua
Package Sealing Co., Inc.
Package Sealing Co., Inc.
TRIJICK LEASING SYSTEM, truck NATIONAL TRUCK LEASING SYSTEM, truck NATIONAL TRUCK LEASING SYSTEM, truck leasing and rental services, National Truck Leasing System NATIONAL "21", cash register, National Register Co.

NAT-MAR-CO, marking-machines and inks, National Marking Machine Co.

NEBULTIE, oil-gas burner, Anthony Co.

NECCHI, sewing machines, Necchi Sewing Machine, Sales Cours chine Sales Corp.
NEEDLEBOARD, wire pressboards, American NEEDLEBOARD, wire pressboards, American Pressboard Co., Inc. NEET, printed crush-proof shirt packaging, Mar-ket Industries Co., Inc. NEET, shirt package, Patek & Co. NEGASTAT, anti-static agent, Philips & Philips NEM-A, shirt-folding machines, J. W. Steele & Co.
NENSOL, feeder, Infilco, Inc.
NEOMERPIN, surface active agent, E. I. du Pont
de Nemours & Co., Inc.
NEO-SPONGE, standing comfort mat of neoprene,
American Floor Products Co.
NEO-TONE, sours, Diamond Alkali Co.
NEO-TONE, sours, Diamond Alkali Co.
NEO-TONE, sours, Diamond Alkali Co.
NEOVADINE AN, stripper, Ciba Co., Inc.
NEPTUNE, leather belt cement, Graton & Knight
Co. Co NEFTUNE, built soap, sudsing synthetic deter-gent and heavy duty synthetic liquid detergent, Lever Bros., Co. NE-TO, starch. A. S. Staley Mfg. Co. NEUTRACIDE, sour, Lewis National Corp. NEUTR-LENE, deodorant neutralizer, Davies-Young Soap Co.

NO-FLAM-O, flameproofing for fabrics, Namco Chemical Corp.

NOLAT OILET SOAP, soaps, Iowa Soap Co.

NO LAX, spotting agent, Warco Laboratories

NO-LINT, spray, Spix Products Co.

NO LINT, fabric preservatives and conditioner for linen supplies, Nameo Chemical Corp.

NO-LINT-WORRIES, black hags, Zackerberg Co.

NO-MAR TREATMENT, stain and water repellent. Paper Chemicals, Inc.

NO-MIX, bundle separators, Rosenthal Mfg. Co.

NO-MIX, identification system, Checking System Co. NOMOLD, mildew preventative, H. Kohnstamm & Co., Inc.
NON-CRUSH, shirt carriages, Time Savers, Inc.
NON-FER-AL, calcium carbonate, Diamond Al-NON-IONIC, leather soap, Eaton Chemical & Dyestuff Co.
NON-IONIC, fabric conditioner, Namco Chemical Corp.

NON-SHIFT, wire garment hanger, Para-Luz
Products Co.

NON-SKID, floor tiles, Virginia Greenstone Co., Inc. The water repellent, Boston Clip & Tag Co. NON X.L., water repellent, Boston Clip & Tag Co. NORCO, meters, timers and control devices, Norman Control Co. NORIT, activated carbon, L. A. Salomon & Bro. NORIAC ECONOMY, foam press pad, Norjac Economy, Fabric Politics of the Control of the Foam & Fabric NORTH STAR, fur cleaning compound, Walter Haertel Co. NOR-WIL, press covers, asbestos covers, Norton & Williams, Inc. NORWOOD CASCADE, washer, American Laun-NORWOOD CASCADE, washer, American Laundry Machinery Co.

NO-SNAG, shank, Star Service Hanger, Div.,
Young Spring & Wire Corp.

NO-SNAG, shank, Star Service Hanger, Div., L.
A. Young Spring & Wire Corp.
NOSOK, non enzymic digester, spot remover,
George E. Mead Co.

NO STARCH, fabric conditioner and finishing aid
for shirt laundries, Nemco Chemical Corp.

NO STAT and static agent. Paged Audustice Young Soap Co.
NEUTRAL LUBRICANT, neutral lubricant, Lus-trol Drycleaning Products, Div., Patek & Co.
NEUTRA LUSIRE, for rug cleaners, Keever Starch Co. NEUTRA SOL, sweetening agent, Benda Products, NO-STAT, anti-static agent, Pagoda Industries, NEUTRASOL, synthetic detergent, Lewis National NO-STAT, static eliminator and method of appli-cation via drying tumbler, Kleentest Labora-Corp.

NEUTRASUDS, flake or powder high-titer tallow soap compound, E. F. Drew & Co., Inc.

NEUTRATEX, sour, Lewis Narional Corp.

NEUTRATINT, sour, Lewis National Corp. NOTASTANE, lubricant, Keystone Lubricating STARCHROOM LAUNDRY JOURNAL

NEUTREX, rust removing sour, Speedlite Chemicals Co., Div. Patek & Co.
NEUTRO, sour, Turco Products, Inc.
NEUTRO, sour, Turco Products, Inc.
NEUTROMAP, sour, Lewis National Corp.
NEUTRONAP, sour, E. F. Drew & Co., Inc.
NEUTROPHOR, laundry neutralizer and whitener,
Carlton Chemical Co., Inc.
NEUTROSOAP, neutral laundry soap, Carlton
Chemical Co., Inc.
NEUTROTONE, detergent, Endriss Chemicals,
Inc.

Inc.
NEVA-CLOG, stapling machine, wire staples,
Neva-Clog Products, Inc.
NEVA-SLIP, pants clip, Gibraltar Products Co.
NEVA-SLIP, inoner roll coverings, Toptex Corp.
NEVASTANE, lubricant, Keystone Lubricating

NEVER-SLIP, collar protectors, Phoenix Products

Co.
NEVERSLIP, tie hangers, Memphis Hanger Co.
& Pittsburgh Hanger Co.
NEVERSTRETCH, feed ribbon, Southern Mills,

NEW DEPARTURE, ball, radial and thrust bearings, New Departure, Div. General Motors Corp. NEW GOVERNOR, nylon nets, Gibraltar Fabrics,

Inc.

NEWHOUSE, spotting guns, brushes, counter racks, sleeve formers, press pad, spotting noses, sleeve boards, wetcleaning aprons, Newhouse Specialty Co., Inc.

NEW-MATIC, presses, New York Pressing Machinery Corp.

chinery Corp.

NEW MANHATTAN, nylon nets, Gibraltar Fabrics, Inc. NEW NO. 30 CLEANER, fur cleaner, Nycco

NEW NO. 30 CLEANER, the Products Co.
NEW YORKER, drycleaning, laundry presses, New York Pressing Machinery Co.
NIAGARA, chemical, oil and water Buffalo Meter Co.
NIAGARA, filter screens, Niagara Filter Corp.
NICE, ball and thrust bearings, Nice Ball Bearing Co.

Nicholson, floats, steam traps, thermostatic traps, W. H. Nicholson & Co.
NILKS, steel drums, Republic Steel Corp.
9000 SERIES, steel-framed two-wheel hand trucks, Fairbanks Co.
NI-ROD, electrode for machinable welds, International Nickel Co., Inc.
NISSEN, dye and bleach resistant color-marking and writing tube, John P. Nissen, Jr., Co.
NITROX, cleaner, rust inhibitor, Solvay Process Div., Allied Chemical & Dye Corp.
NO-DIAOR, spotting agent, Nu-Pro Mfg. Co.
NO-DARN, mending iron, No Darn Co.
NO-EFFORT, handkerchief and napkin press and handkerchief fluffer, American Laundry Machinery Co.

chinery Co.

NOEX, petroleum solvent drycleaning unit, drycleaning tumbler, American Cleaners, Equipment Co., Div. American Laundry Machinery

Co.
NO-FLAM-O, flameproofing for fabrics, Namco
Chemical Corp.

OAKVILLE, wire staples, Oakville Co. Div., Scovill Mig. Co.
OASIS, drinking water cooler, Ebco Mfg. Co.
OBARK, leather belting, waterproof leather belting, Co.
OBLITO, stain remover, H. Kohnstamm & Co., NO-THREAD, compression fittings, Dresser Mfg. Div., Dresser Industries, Inc.
NOTRUX, mechanical loading and unloading extractor, American Laundry Machinery Co.
NOVA-TEX, dry sizing, National Cleaners Chemical Mfg. Co.
NO-VENT, boiler return system, David Stout & Sovery NOWASTE, marking tags, preprinted, Stry-Len-NOTION NOTION OF THE PROPERTY N SILICALE, rist protection of the convergence of t tries, Inc. NU-FLUO, economy sour, Johnson Chemical NU-FLUO, economy sour, Johnson Chemical Industries, Inc.
NU-FLUO EXTRA, sour for high bicarbonate water, Johnson Chemical Industries, Inc.
NU-HIDE, leather cleaner and conditioner, Signal Chemical Mfg. Co., Inc.
NU-LUS, dry size, Nu-Pro Mfg. Co.
NUMERETIE, hand numbering machine, American Numbering Machine Co.
NUMBER 5, 11, 33, blues, Lewis National Corp.
NUMBER 4, blue, stripper, Lewis National Corp.
NUMBER 44, blue, Minnesota Chemical Co.
NUMBER 996, industrial iextile detergent, H.
Kohnstamm & Co., Inc.
NUMBER 209, general formula, R. R. Street & Co., Inc. NUMBER 209, general formula, R. R. Street & Co., Inc.

NU-NAP, rug cleaner, Certified Chemical & Equipment Co.

NU-NAP PROCESS, shine removal service, Bestway Shine Removal Co., Inc.

NUDDEX 87, mildew preventative, Nuodex Products Co., Inc.

NU-PAI, lint remover, Perma Products Co.

NU-PRO, ink and stain remover stick, Nu-Pro Mfg. Co.

NU-SHEEN, dyeing service, Omaha Dye Works NUSHENE, special alkali compounds, Speare Co.

NU-SO, detergent, Nu-Pro Mfg. Co.

NU-SO, soap builders, Thompson-Hayward Chemical Co.

NUSOLVO, spotting agent, Nu-Pro Mfg. Co.

NUSUEDE, suede finishes, Eaton Chemical & Dyestuff Co.

NU-TEX, drycleaning soap, Nu-Pro Mfg. Co. Mfg. Co. NUTRA SUDS, neutral soap flakes, E. F. Drew & Co., Inc.

NUTROL, synthetic wetcleaner, Keystone Aniline & Chemicals Co., Inc.

NUTRONAP, sour, E. F. Drew & Co., Inc.

NUTRING, floor trucks, casters, wheels, Nutting Truck & Caster Co.

NU-WAY, liquid filter soap, Davies-Young Soap NU-WEIGH, hanging clothes scale, Newhouse Specialty Co., Inc.
NYIEX, press pads and covers, R. Lally Co.
NU-WOOD, insulation board. Wood Conversion Co.
NYCCO, moth preventatives, Nycco Products Co.
NYCCO, prepared fur dyes, Nycco Products Co.
NYLCOT, laundry nets, Southern Mills, Ioc.
NYL-EON, nylon covers and cloth, G. S. Robins & Co.
NYLO, filter and laundry bags, press covers and cloth, X. S. Smith, Inc.
NYLO-DUK, nylon "Hydraxtor" slings, F. H. NYLONET, knitted nylon laundry nets, Nylonet NYLONETS, nylon laundry nets, X. S. Smith, NYLOTEX, nylon press covers, X. S. Smith, Inc.
NYLSEW, nylon sewing thread, Heminway &
Bartlett Mfg. Co.
NYTEX, nylon press padding, R. Lally Co.

mg, Charlotte Leatner Beiting Co.

OBLITO, stain remover, H. Kohnstamm & Co., Inc.

OCCO, extractor baskets, Ohio Centrifugals Co.

OCTA-CLENE, rug cleanser, Moore's Time-Saving Equipment, Inc.

OCTAGON, soap, Colgate-Palmolive Co.

ODEX, deodorizer, Stamford Chemical Co.

ODIS, instantaneous and water storage heaters,

Old Dominion Iron & Steel Corp.

ODO-STICK, garment odor remover in stick form,

Nu-Pro Mfg, Co.

OFELDT, boller, Mears-Kane-Ofeidt, Inc.

OILITE, self-lubricating bearings, machine parts,

Amplez Div., Chrysler Corp.

OIL-MIST, automatic lubrication systems, Alemite

Div., Stewart-Warner Corp.

OIL-RITE, lubricating equipment, Oil-Rite Corp.

OK. CORN STARCH, corn starch, Hubinger Co.

OLATE, FLAKES, low-titer soap, Procter &

Gamble Distributing Co.

OLIN, cellophane, Olin Cellophane Div., Ecusta

Paper Corp.

OILVE C, soap, Stadham Co., Inc.

OILSENMARK, marking inks, marking machinery,

stamping presses, OlsenMark Corp.

OLSENMARK, marking inks, marking machinery,

stamping presses, OlsenMark Corp.

OLSON, automatic laundry washers, Olson Industries, Inc.

OLSON, pressure filters, solvent stills, Olson Filtration Engineers, Div. American Laundry Ma
chinery Co. chinery Co.

OLSON KURB SIDE, aluminum package delivery body, I. B. E. Olson Corp.

OLYMPIC, extractor, Troy Laundry Machinery Div., American Machine & Metals, Inc.

OMNI-SOUR, laundry sour, Carlton Chemical Co., Inc.
ONDAL, oxidizing agent, E. I. du Pont de Nemours & Co., Inc.
ONE-HUNDRED, synthetic solvent drycleaning unit, Columbia Appliance Corp.
ONE-LAY, shirt finishing machine, J. W. Steele & Co.
ONE-SHOT, writing ink remover, Eaton Chemical & Dyestuff Co.
ONE-SPOT, scale, Toledo Scale Co.
182-LINEN, starch, A. E. Staley Mfg. Co.
\$1000.00 GUARANTEED, insecticides, B. Heller Co.
ON-THE-SPOT, synthetic drycleaning equipment,
A. B. Temple Co.
OPALOID, buttons, Stadham Co., Inc.
OPENETS, laundry nets and fabrics, Davis Mills OPERATIVE TI-ME-TER, time signals, visual, audible equipment control, Bildwell Mfrs.
OPTO-MATIC, constant lever oilers, Trico Fuse Mfg. Co.
ORIGA-FAB, sport shirt sixing, Harris Bros. Mfg. ORIOLE, apron duck and cover cloth fabrics, Mount Vernon Mills, Inc. ORR, wool padding, Orr Felt & Blanket Co. ORTHOLATE, laundry chemical, Diamond Alkali Co.
ORTHON, mild laundry builder, Speedlite Chemi-cals Co., Div. Patek & Co.
ORTHOSILICATE, detergent, Diamond Alkali Co.
ORVUS AB GRANULES, powdered neutral synthetic detergent, Procter & Gamble Distributing Co.
ORVUS EXTRA GRANULES, complete synthetic detergent, Procter & Gamble Distributing Co.
ORVUS HYTEMP GRANULES, built high temperature synthetic detergent, Procter & Gamble Distributing Co.
ORVUS W. A. PASTE, wetcleaning detergent, Procter & Gamble Distributing Co.
OSULCATE, concrete hardener, Philadelphia OSILICALE, concrete hardener, Philadelphia Quartz Co.
OSOMOMETER, odor measurement device or apparatus, Odor Instruments, Inc.
OSPECO, concentrated drycleaning soap, Oil States Petroleum Co., Inc.
O SPOTTER, stain remover, H. Kohnstamm & Co., Inc. Co., Inc. OTIS, baggers, plastic, shirt and sweaters, Otis Corp.

OUTSERTS, package insert, Allied Printing & Stationary Co., Inc.

OXALATE-A, sours, Keever Starch Co.

OZITE, insulation, laundry felt, American Hair & Felt Co.

OZONITE, built soap, Procter & Gamble Distributing Co. O.I.C., all types valves, Ohio Injector Co.
O.T., laundry-drycleaning extractors, American
Cleaners Equipment Co., Div. American Laundry Machinery Co.
O & S, fuel burning systems, Orr & Sembower. Inc.
O. G. P., oily type paint remover, Eaton Chemical & Dyestuff Co.
O.S., soap builder, Wyandotte Chemicals Corp.
J. B. Ford Div.
O. W. S., specialty compound, laundry sours and blue. Diamond Alkali Co.
O. KITE, detergents. Oakite Products, Inc.
O. AKITE COMPOUND NO. 32, scale and rust remover, Oakite Products, Inc.
O. AKITE PENETRANT, detergent, Oakite Products, Inc.

P.M., built soap, Thompson-Hayward Chemical P.M., built soap, Hompson-Knyward Caleman Co.
P.M.D., moth repellent, Dixo Co.
P.M.D., moth repellent, Dixo Co.
P.R., colorless paint and varnish remover, Caled Products Co., Inc.
PW., soap builder, New South Mfg. Co., Inc.
PAASCHE, airbrushes, air painting equipment, Paasche Airbrush Co.
PACE, chlorinated solvent soap, Caled Products Co., Inc. Co., Inc.
PACEMAKER, maximum moisture charge soap,
Caled Products Co., Inc.
PACE-PERK, soap, Caled Products Co., Inc.
PACIFIC, borax and sodium sesquicarbonate,
Columbia-Southern Chemical Co.
PACIFIC, sour bluing, Beach Soap Co.
PACKLESS, flexible hose, couplings, Packless
Matal Hose Inc. Metal Hose, Inc. PAINT-I-CATER, paint remover, W. F. Johnson Products Co.
PAINT-SOLV, paint remover, Huntington Laboratories, Inc.
PAISLEY, general line adhesives, Paisley Prod-PAISLET, gravitation ucts, Inc.

PAK-AGE-KABT, packaged work transporter,

Bishop David Freeman Co.

PAK-RITE, plastic garment bags, cedarized and
plain combination bags for shirts, ties, gloves,
sweaters, hats, etc., Pak-Rite Flexible Packaging Co. PAK-TITE, compound, American District Steam Co., Inc.

PAK-U-VEYOR, call office conveyors, laundry bundles, White Machine Co., Inc.

PAL, collector cart, soiled linen or laundry cart, Faul O, Young Co. PAL, collector cart, and the part of the p PARAGENE, stripper, Eaton Chemical & Dyestuff Co.
PAROGON, gas engine lubricators, Lunkenheimer PARALATE, complete detergent, Diamond Alkali Co. PARALATE-S, alkali compound, Diamond Alkali PARAMOUNT, garment, trouser bags, hanger covers, Mutual Paper Box Co., Inc.
PARAMOUNT, evaporative coolers, Essick Mfg. PARA-SEAL, hanger cover, Para-Lux Products PARAZOLE, spot remover, Eaton Chemical & Dyestuff Co.
PARIS, steam-air garment finisher, Garment Finisher, Equipment Corp. ishing Equipment Corp.

PARIS CONVERTIBLE, steam-air finishers, Garrants Convertible, steam-ar mishers, Gar-ment Finishing Equipment Corp.

PARIS MASTER FINISHER, steam-ar garment finisher, Carment Finishing Equipment Corp.

PARKER, industrial boilers, Sid E. Parker Boiler Mfg. Co.
PARK'N CLEAN, store fixtures, counters, portable trailers, Park'N Clean, Inc.
PARMELEE, wrench, Walworth Co. PAROL, special alkali compounds, Speare Co. PAR-X, stain remover, H. Kohnstamm & Co., Inc. PAS-TIES, collar & cuff fasteners, hanger ties, Plas-Ties Co. PATCH MASTER, repair cloth kits, R. D. Bussard PATEXOL, oil, paint and grease remover, Patek PATEXPAC, printed garment bags, shirt enve-lopes, Patek & Co. PATINEX, upholstery shampoo, cleaning com-pound. Mortemoth Chemical Laboratories PATINEX FURLIFE, fur shampoo, cleaning com-pound, Mortemoth Chemical Laboratories PATRICK, steam iron, Lawrence M. Stein Co. PATROL, watchmen's clocks, Detex Watchclock PATTERSON-KELLEY, condensers, coolers, Patterson-Kelley Co., Inc.

PAY-TEK, concentrated anhydrous emulsifier, Patek & Co. PAYTEXOL, oil, paint and grease remover, Patek & Co.

PC CONCENTRATE, strong soap, Huntington
Laboratories, Inc.

PC 456, neutral vegetable potash soap, E. F. Drew Action neutral vegetable potant soup, E. F. Drew & Co., Inc.

PEABODY, gas, oil, coal burners, air heaters, Peabody Engineering Corp.

PEARL, built soap, flake and granulated, Colgate-Palmolive Co. PEELCOTE, protective coating for metal parts, Watson Standard Co. PEERLESS, laundry cover cloth, two ply cover duck. Thomaston Mills PEERLESS, nylon net, Gibraltar Fabrics, Inc. PEERLESS, pumps, Peerless Pump Div., Food Machinery Corp.

PB, laundry marking tags, Boston Clip & Tag Co. P.D.Q., wetcleaning detergent, Nu-Fro Mfg. Co. P.F.S., paste filter sonp, Nu-Fro Mfg. Co. P.I.U., variable speed changers, Link-Belt Co. P.K., hot water heater, boiler return systems, con-densate coolers, Patterson-Kelley Co., Inc.

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PEERLESS, built soap-syndet, Swift & Co., Industrial Soap Div.
PEERLESS, scales, Triner Scale & Mfg. Co.
PEERLESS BEACON, laundry marking tags, Boston Clip & Tag Co. PEET'S, white laundry bar soap, Colgate-Palmolive

Co.
PEE-VEE, lacquer remover, Riverside Mfg. Co.
PEELL D, wetside water repellent, Lustrol Drycleaning Products, Div. Patek & Co.
PELL W, wetside water repellent, Lustrol Drycleaning Products, Div. Patek & Co.
PELLERIN-MILNOR, laundry, drycleaning extractors, Felleriz Milnor Corp.
PENBRITE, alkaline detergent, Pennsalt Chemicals Corp.

cals Corp.
PENETEX, detergent, Stadham Co., Inc.
PENETRO, marking ink, National Marking Ma-

PENETROIL, grease solvent, H. Kohnstamm &

Co., Inc.
PENETRON, glue solvent, Better Packages, Inc.
PENETRONE, starch, H. Kohnstamm & Co., Inc.
PENLO, engine lubricator, Lunkenheimer Co.
PENNANT, drycleaning soap, Davies-Young Soap

Co.
PENN DRAKE WASHOIL, oil treatment of linens,
Pennsylvania Refining Co.
PENN-SIZE, sizing agent, Pennsalt Chemicals

Corp.
PENNSYLVANIA, tires, tubes, batteries, Pennsylvania Rubber Co.
PENOZONE, bleach, Pennsalt Chemicals Corp.
PENPRIM, sizing, water repellent, Pennsalt Chem-

icals Corp.

PENSAL, break builder and detergent, Pennsalt Chemicals Corp.

PENSAL-B, alkaline detergent, Pennsalt Chemicals Corp. PENSAL-M, alkaline detergent, Pennsalt Chemi-

PENSAL-O, alkaline detergent, Pennsalt Chemi-

cals Corp.

PENSAL-W, heavy duty laundry detergent, Pennsalt Chemicals Corp.

PENSO, spotting agent, A. L. Wilson Chemical PENSUDS, wetcleaning detergent, Pennsalt Chem-

icals Corp.

PEN-TRATE, spotting aid, Kennedy Products Co.

PENTROX, emulsifier, penetrant and stain remover. Pennsalt Chemicals Corp.

PEPO, prespotter. Stadham Co., Inc.

PEPSOL, drycleaning filter soap. A. F. Wolke Co.

PER, automatic drycleaning unit, Vic Manufacturing Company.

PERCHLOR 600, drycleaning unit, Manitowoc Engineering Corp.
PERCHLORETHYLENE, solvent, Westvaco
Chlor-Alkali Div., Food Machinery & Chemical

Chlor-Alkali Div., Food Macainery & Greener-Corp.
Corp.
PERCHLORON, bleach, Pennsalt Chemicals Corp.
PERCLAIMER, filter sludge cooker and solvent reclaimer. Per Corporation
PERCLEER, solvent still, Per Corporation
PERCLENE, drycleaning solvent, E. I. du Pont de Nemours & Co., Inc.
PERCLOR-SAVER, drycleaning tumbler and solvent reclaimer, American Cleaners Equipment Co., Div., American Laundry Machinery Co.
PER-COOLER, solvent temperature conditioner, Per Corporation

Per Corporation
PERDOX, sodium perborate monohydrate, E. I.
du Pont de Nemours & Co., Inc.
PERFECT, wheat starch, Keever Starch Co.
PERFECTA, steam and air spotting gun, Florian

I. Hymar

J. Hyman
PERFECTION, corn starch, Huron Milling Co.
PERFECTION, reducing valves, American District Steam Co., Inc.
PERFECTION, white neutral soap, Beach Soap

PERFECTO, synthetic powder, National Cleaners emical Mfg. Co. FECT WHEAT, laundry starch, Keever PERFECT Starch Co.

PERFEX, controls and regulators, gauges, Perfex

PERFLEX, press pads, Resillo Co. PERFLEX, bronze flexible metal hose, Perfecting Service Co. PERFUMED STARCH, starch, Gilcor Mfg. Co.,

PERK, for all synthetic drycleaning, Stauffer

Chemical Co. PEHK-O-MATIC, synthetic drycleaning machine, Pantex Mig. Corp.

PERK-O-MISER, synthetic recovery tumbler, Pantex Mig. Corp.

PERKLOR, synthetic solvents, Dow Chemical Co.

PERKLOR, synthetic solvents, Dow Chemical Co. PERK-SHEEN, new charge soap for synthetic sys-

PERK-X-TRACTOR, sludge cooker, Pantex Mfg. PERLITE, alkali soap builder, H. Kohnstamm & Co., Inc.

PERMAC BOEWE, drycleaning machinery, Amer-

permac, inc.

PermaFiber. fiber material for manufacturing laundry and drycleaning identification tags, Permafiber Corp. Permafiber Corp.
PERMA-FLOW, drycleaning detergent, Edlemuth

Mfg. Chemists PERMA-FOLD, replacement collars and cuffs, Zuckerberg Co.

PERM-A-KLEEN, perchlorethylene, Detrex Chemical Industries, Inc.

PERMA KLEER 80, chemical water conditioner, Refined Products Corp. PERMA-MARKER, marking kit, Wm. J. Nicholson

Laboratories
PERMA - NET - MARKERS, identification tags,

Speare Co. PERMA-NETS, rubber washing nets, Speare Co. PERMANITE, neid- and alkali-resisting flooring, Maurice A. Knight PERMA PADS, press and flatwork ironer padding, PERMAPROOF, flameproofing agent, B. F. Good-

PERM-A-TEX, nylon press covers, X. S. Smith,

PERMATIZED, marking tags and tape, indelible marking ink, Wm. J. Nicholson Laboratories PERMEATE, water emulsifier, Eaton Chemical & Dyestoff Co.
PERMO, Bameproofing, mothproofing agent, Per-Mo Products Co.
PERMOBOND, rubber-limed tanks, pipe and pipe fittings, U. S. Rubber Co.
PERMOPAD, pads for handkerchief ironer, Resillo Co.

sillo Co. PERMOTEX, nylon press covers, X. S. Smith,

Inc.
PERMUTIT, water softeners, filters, Permutit Co.
PERMUTIT Q, ion exchanger, water conditioner,
Permutit Co.
PERONE, hydrogen peroxide, E. I. du Pont de
Nemours & Co., Inc.
PERSONALIZED, garment bags, Rassenfoss Bag
Co. Inc.

Co., Inc.
PERSPIR-X, perspiration remover, Paper Chem-

PETAL SMOOTH, starch, Clinton Foods Inc.
PETRO-JEL, 100% petroleum base combination
of paraffin and froner oil, Victor Zooz Chemical
Co.

PETROTHENE, polyethylene, U. S. Industrial Chemical Co., Div. National Distillers & Chemi-cal Corp. PETRYN, oil, paint and grease remover, Patek

PFAFF, sewing machines, Pfaff Sewing Machine

Sales Co.

PHENOLITE, ironer pad and cover assembly,
Gibraltar Fabrics, Inc.

PHENOLITE, non-ionic synthetic soap, New
South Mig. Co., Inc.

PHILABELT PRESERVATIVE, belt dressing,

Philadelphia Belting Co.
PHILCO-BENDIX COMMERCIAL, automatic
washers, Philoo Corp., Commercial Laundry

Sales
PHOENIX "SELF STICK," shirt bands, Phoenix
Products Co.
PHOSRITE, soap regenerator, Beach Soap Co.
PHOTOSWITCH, timers, pilots, relays, controls,

Photoswitch, Inc.
PHOTRONIC, photoelectric cell, Weston Electrical Instrument Corp.
PH-PLUS, water softener, Olin Mathieson Chemical Corp., Industrial Chemicals Div.

cal Corp., Industrial Chemicals Div.
PIAZZA, conversion unit, synthetic drycleaning systems, Piazza Engineering Co.
PICK, water heaters, Pick Mig. Co.
PICRIN, volatile spotting spotter, R. R. Street

PICRIN, volatile spotting spotter, R. R. Street & Co., Inc.

PIECE SYSTEM, preprinted tags (piece assembly),
Liberty Marking Tag Co., Inc.

PIECE ADS, tags, Stry-Lenkoff Co.

PIEDMONT, leather belting, waterproof leather belting, Charlotte Leather Belting Co.

PILE BRUSH, rug cleaning machine, Certified Chemical & Equipment Co.

PILGRIM, press cloth, Thomaston Mills

PILOT, non-waterproof belt cement, Webb Belting & Supply Co.

PILOTRON, air-operated pilot, Bailey Meter Co.

PINLUB, wetcleaning soap, Package Chemical Co., Inc.

PIN-O-TEX, pine oil detergent, Slater-Robbins

Co.. Inc.
PIOLET. buttons, Piolet Button & Novelty Corp.
PIONEER, nylon laundry nets, Benwall Mfg. Co., PIONEER, oil cups, Lunkenheimer Co.

PIONEER, wrapping twine, cable cord, Thomaston Mills
PISTON-RING, expansion joint, American District

Steam Co., Inc.
PITTCHLOR, calcium hypochlorite, Columbia-Southern Chemical Corp. PITTSBURGH, paints, Pittsburgh Plate Glass Co.,

PITTSBURGH, wire garment hangers, Pittsburgh Hanger Co.

PIXALL, lint remover, John E. Coolidge Co.
PLANER BRAND, leather belting, Philadelphia
Belting Co. PLASTIC INSULATION, insulating cement, Mex-

PLASTIC QUIK-PACH, plastic firebrick, A. P. Green Fire Brick Co.
PLASTIC SPOTTING BOTTLE, spotting bottles,

Warco Laboratories PLASTIC-VU, plastic shirt bag, Time Savers, Inc. PLAS-TIES, hanger ties and marking flags, Plas-Ties Co.

PLASTYLON, nylon laundry nets, Carson Textile PLEASANT ODOR, fur cleaning fluid, Bernard PLEX, digester, Patek & Co. PLEXTON, reinforced plastic trucks, G. B. Lewis

Co.

Co.

PLEZURE, a concentrated spotting soap, Caled Products Co., Inc.

PLIOFILM, bags for shirts, garments, blankets, etc., Clear-View Packaging Co.

PLIOJET, smoke eliminators, Pilibrico Co.

PLUS, spotter (wet or dry), Adeo, Inc.

PNEUMATIC BAGGER, bagging of garments, Detrex Chemical Industries, Inc.

POCKETERS, pocket forms, Leef Bres., Inc.

POINT-OF-USE, insulated equipment, Remington Rand, Inc.

POINT-OF-USE, insulated equipment, Remington Rand, Inc.
Rand, Inc.
POLAR BEAR, fur cleaning compound, Walter Haertel Co.
POLAR BEAR, fur cleaner, Nycco Products Co.
POLAR BEAR, fur cleaner, Nycco Products Co.
POLAR GEAR, Air Cooling Engineering Co.
POLAR GLAZE, liquid glazing solution for synthetic pile and fur coats, Walter Haertel Co.
POLARISED, wholesale fur cleaning and storage, Walter Haertel Co.
POLARISED, wholesale fur cleaner and finisher, Walter Haertel Co.
POLAR SHEEN, man made fur cleaner and finisher, Walter Haertel Co.
POLARSUDZ, cold-water built soap, Beach Soap Co.

POLARTONE, laundry sour, G. S. Robins & Co. POLO, alkaline conditioner, Procter & Gamble POLO, alkaline conditioner, Procter & Gamble Distributing Co. POLYMARK, marking machines, Pinnacle Prod-

POLIMARK, marking institutes, rumans varieties, ructs Corp.
POLY-V, "V" belt drives, Revolite Div., Raybestos-Manhattan, Inc.
POMONA, turbine pumps, Fairbanks Morse & Co.
PONCHO, wet water repellent, Patek & Co.
PONTAMINE, developers, E. I. du Pont de Nemurs & Co. Inc.

mours & Co., Inc.
POOR PETER PILLOW, complete pillow cleaning service, R. Lally Co.

POPKINS, store fixtures, Popkins Fixture Co.

PORTA-PAK, autographic register, Egry Register

Co.
PORTMAR, boiler and water heaters, Portmar
Water Heater Co., Inc.
PORTO-FAB, prefabricated buildings, Porto-Fab

Co., Inc.
POSTAGE-METER, postage meter tape, Gum-

med Tape & Devices Co.

POW, drycleaning soap, Keystone Aniline & Chemical Co., Inc.

POWDER DISPENSER, filter powder dispenser,

POWDER DISPENSER, filter powder dispenser, Powder Dispenser Co.

POWER CHARGE, strong drycleaning soap, Bends Products, Inc.

POWER CIRCLE, presses, Prosperity Co., Div., Ward Industries Corp.

POWER-FLEX, underfeed stokers, Link-Belt Co.

POWER-FLOW, roof ventilator, DeBothezat Fans Div., American Machine & Metals, Inc.

POWER-GIANTS, motor trucks, Dodge Div., Chrysler Corp.

Chrysler Corp.

POWERMASTER, packaged automatic boilers,
Orr & Sembower, Inc.

POWERMASTER, stacker, Lewis-Shepard Prod-

POWERMATIC "50," 50 lb. washer-extractor, Laundry Equipment & Engineering Co.

Power-Pak, drycleaning detergent, Pennsalt Chemicals Corp. Power-Pak, packaged automatic boilers, Orr & Sembower, Inc.

POWER-PAR, packaged automatic boilers, Orr & Sembower, Inc.

POWERSON, Sre-fighting nozzles, American-La France-Foamite Corp.

POWER-VEYOR, permanently mounted horizontal belt conveyor, Rapid-Standard Co., Inc.

POW PLUS, dry powdered soap, Keystone Aniline & Chemical Co., Inc.

POWR PLUS, air-operated laundry presses, Pantex Mfg. Corp.

PRATT & CADY, brass and iron valves, Reading-Pratt & Cady Div., American Chain & Cable Co., Inc.

Co., Inc. PRE CLEEN, ammoniated prespotter, Benda Products, Inc.

PREE-HEET, return systems, Fred H. Schaub Engineering Co., Inc. PREGEST, prespotters, Wallerstein Co., Inc. PRE-KRETE, tank lining special formula cement lining, Patterson-Kelley Co., Inc.

PRE-MARKED STRIP TAG, solvent, and water-proof marking tags, Pre-Marked Strip Tag Co. PREMIER, gas engine lubricators, Lunkenheimer

PREMIER, nylon laundry nets and dacron nets, Fablok Mills, Inc.

PRE-OIL-BREAK, oil, grease, tar stain remover, wet and dry, Warco Laboratories

PREPCO, antiseptic soap, Lincoln Research, Inc.

PREPEL, water repellent, Stamford Chemical Co. PRESET, a type of free-vane air-operated con-troller, Bristol Co.

PRES-GRIP, shaping and finishing wetcleaned and dyed garments, Pres-Grip Corp.

PRESMOR, nylon press covers, Tingue, Brown &

Co.
PRESO, heavy prespotter. G & G Chemical Co.
PRE-SPOTTER, heavy-body prespotter, Caled Products Co., Inc.

PRE-SPOTTER, prespotter, Patek & Co.

PRESPOTTER S, prespotter, Nu-Fro Mig. Co.

PRESPOTT XX, prespotter for heavy soil, Lustrol Drycleaning Products, Div. Patek & Co.

PRESS MASTER, electric steam generator, Automatic Steam Products Corp.

PRESS'N 'STIK, truck or window poster, Capitol Poster Service

PRESSTTE, flexible metal connector for modern laundry and pressing machines, American Brass Co., American Metal Hose Div.

PRESTEX COVERS, press cover for drycleaning presses, bag and padding for pasts toppers, Arrow Mig. Co.

PRESTO, self-scaling paper bands, Nashua Corp.

PREST-O CLEANER, press-bead cleaner, Stadban Co, Inc.

ham Co., Inc.

PRESTOPRESS, air-operated drycleaning presses,
Goldman Pressing Machine Corp.

PRIDE, batch detergent, Lustrol Drycleaning
Products, Div. Patek & Co..

PRIDE, washing powder, Swift & Co.

PRIMA BRAND, leather belting, Philadelphia
Balting Co.

PRIMA BRAND, leather belting Co.
Belting Co.
PRIMARY SIZE, blended starch, Wyandotte
Chemicals Corp., J. B. Ford Div.
PRIME SOHP, complete soap, Beach Soap Co.
PRIMS COVER A BUTTON, button molds, Wil-

liam Prym, Inc.
PRINTWEIGH, weight printing scales, Toledo Scales Co.
PROCTOR & SCHWARTZ, automatic shampooing and drying systems for rugs, Proctor & Schwartz,

PRODUCTIMETERS, counting machines, Durant Mfg. Co. PRODUCTO, timer, American Laundry Machin-PROFESSIONAL PORTABLE CLEANING UNIT,

upholstery shampooing machine, Multi-Clean Products Inc. PROFINE PASTE, fatty ester base fabric finish, Frocter & Gamble Distributing Co. PROLITE, enzymic digester, Allen & Vickers,

PROLYTE, enzymic digester, Allen et Verrer, Inc.
PROMATIC, electronic and synchronous motor timers, General Control Co.
PROOF, emulsion type batch soap, Lastrol Drycleaning Products, Div. Patek & Co.
PROSPERITY 55, complete line of laundry and drycleaning equipment, Prosperity Co., Div., Ward Industries Corp.
PROSPERITY, apron duck and cover cloth fabrics, Mount Vernon Mills, Inc.
PROSPERIROL, automatic washer controls, Prosperity Co., Div., Ward Industries Corp.
PROTECTO, identification systems, American Laundry Machinery Co.
PROTECTO, colored fabric pick-up bags, F. H. Bonn Co.

PROTECTOGRAPH, checkwriters, check signers

PROTECTOGRAPH, checkwriters, check signers, Todd Co., Inc.
PRO-TEK, protective hand cream, E. I. du Pont de Nemours & Co., Inc.
PROTEK, protective hand cream, E. I. du Pont de Nemours & Co., Inc.
PRYM'S ARISTOCRAT, brass pins and safety pins, Wm. Prvm, Inc.
PRYM'S SUPER STEEL SONOMOR, pins, safety pins, staples, William Prym, Inc.
PSC UNIVERSAL AIR, air control equipment, Perfecting Service Co.
P22, hand stapler, Arrow Fastener Co.
PUF-FINISHER, puffers, steam puff irons, Bishop David Freeman Co.
PULVOAX, powdered waz, Lewis National Corp.
PURATIZE, mildewproofing, Aqua-See Corp.
PURE-TEX, laundry bactericide, Cidea Corp.
PURGE-O-SOL, drycleaning soap, G & G Chemical Co.

cal Co.

PURGO, soup builder, Minnesota Chemical Co.

PURGO, soup builder, Minnesota Chemical Co.

PURTAN, straight pins, snap fasteners, Oakville
Co., Div., Scoville Mig. Co.

PURITAN, press cloth, Thomaston Mills

PURITAN, press cloth, Thomaston Mills

PURITAN, penetrant, Olin Mathieson Chemical
Corp., Industrial Chemicals Div.

PURITAN GASKA SEALS, hardening and nonhardening types to repair gaskets, Olin Mathieson Chemical Corp., Industrial Chemicals Div.

PURITY, sour Thompson-Hayward Chemical Co.

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PURITY: sour Thompson-Hayward Chemical Co.

PURKETT, shakeout and conditioning tumblers, assembly reels, bins, Purkett Mfg. Co.

PURKETT PCT, pre-drying conditioning tumbler, Purkett Mfg. Co.

PURO, spotting compound, Adoo, Inc.

PURO, spotting compound, Adeo, Inc. PUR-O-CEL, filter, Proportioneers, Inc. PURODIESEL, lubricating oils for diesel engines,

PUROLENE, lubricating oils, Pure Oil Co. PUR-O-SAN, drycleaning soap, Huntington Lab-oratories, Inc. PURPLE EDGE, padding, Egan Cotton Mills

PUR-WAX, powdered wax, R. Lally Co. PUSHOMATIC, couplings, Perfecting Service Co. PYRAMID, laundry nets, R. Lally Co. PYRATEX, paint, oil, grease remover, R. R. Street & Co., Inc.

PYRO, liquid soap, National Cleaners Chemical Mig. Co.
PYRO, surface thermometer, Pyrometer Instru-Mig. Co.
PYRO, surface thermometer, Pyrometer Instru-ment Co., Inc.
PYROFLEX, acid and alkali resisting paints, Maurice A. Knight

PYRON, press covers, Southern Mills, Inc. PYRO-SOAP, wetcleaning soap, National Cleaners Chemical Mfg. Co.

PYROTRON, resistance thermometer, Bailey Meter

Q-D, spotting agent, A. L. Wilson Chemical Co. Q & S, counter rack, Ink-O Products Co. Q-T, heat recirculators, Kisco Boiler & Engineer-

ing Co.

Q-CHROMASTIC, veener coating for furnace walls, Quigley Co., Inc.

Q-CHROME, refractory material, Quigley Co.,

Inc.
QUADRA-CLENE, rug-washing machine, Moore's
Time-Saving Equipment, Inc.
QUADRAFOS, water conditioner, detergent, dispersing agent, Rumford Chemical Works
QUAKER BLUE, laundry blue, Pennsalt Chemicale

Corp.

QUAKER, improved, chlorinated lime, bleach, Pennsalt Chemicals Corp.

QUALITEX, press covers, puff iron covers, sponge pads, tumbler pads, press cloths, extractor covers, filter bags, double-face fiannel, Quality Products Co.

QUALITY, net pins, Key-Tag Checking System

CO.
QUEEN, wire hangers, Vail Mfg. Co.
QUEEN CITY, boilers, tanks and preheaters,
QUEEN CITY, boilers, tanks and preheaters,
QUICKBAGGER, poly bag maker, Keyes-Davis Co.
QUICK AID, linen fire hose, fire extinguishers,
General Detroit Corp.
QUICK ELASTIC, liquid and powdered starch,
Habitizes Co.

Hubinger Co. QUICKLIFT, trucks, Lewis-Shepard Products,

OlicLEY, fire brick, Quigley Co., Inc.
OUIGLEY, fire brick, Quigley Co., Inc.
OUIK-CUT, wrapping table, Coffman Mfg. Corp.
OUIK-FLEX, thermostatic trap, V. D. Anderson
Co., Div. International Basic Economy Corp.
OUIK-LOK, shirt boxes and collar supports, Century Paper Products
OUIK-PAC, laundry packaging supplies, Quik
Pac Div., H. Wesley Hutchins Co.
OUIK-PACH, fire brick, A. P. Green Fire Brick
Co.

QUIKTAG, laundry marking tag, Boston Clip & Tag Co.

QUIK-TEMP, heating system, Fred H. Schaub
Engineering Co., Inc.

QUILON, chrome complex, E. I. du Pont de
Nemours & Co., Inc.

QUINCY, air compressors and vacuum pumps,
Quincy Compressor Co.

QWIK-GO, liquid digesting agent, A. L. Wilson
Chemical Co.

R

R.C.C., rug cleaning and finishing compound, soaps, Lewis National Corp.
R.C.U., rug and upholstery soap, Keystone Aniline & Chemical Co., Inc.
R.G.F., stain remover, Riverside Mfg. Co.
R.M. asbestos products, packing friction materials and rubber products, Raybestos-Manhattan, Inc.
R & O COMPOUND, ahop towel and overall washing compound, Speedlite Chemicals Co., Div. Patek & Co.
ROH, hycar belting, Victor Balata & Textile Belting Co.
RP, high pressure boiler, Titusville Iron Works

ROH, hyear bestug, ing Co.

RP, high pressure boiler, Titusville Iron Works Co., Div. Struthers Wells Corp.

RP&C, valves, Reading-Pratt & Cady Div. American Chain & Cable Co., Inc.

RSR, digestive spotting agent, Wallerstein Co., Inc.

R-x. spotter, Caled Products Co., Inc.

RACK N' ROLL, polyethylene dispenser, Technical Tape Corp.

RACK N ROLL, polyculytere dispersed, recent cal Tape Corp.

RAINBOW, plastic garment hangers, Henry Hanger Co. of America

RAINBOW, spotting pencils, Eaton Chemical & Dvestuff Co.

RAINCOLE, water repellent, Signal Chemical

Mfg. Co., Inc.

RAK-GUIDE, rack index for separating garments alphabetically, Para-Lux Products Co.

RAM, drycleaning soap, Adco. Inc.

RAMPELLENT, water repellent, Perm-Aseptic

RAMSEY, chain drive, chain drive sprockets, shaft couplings, Ramsey Chain Co., Inc.
RAMTITE, plastic refractory, Ramtite Co., Div.

RAMITIE, plastic retractory, hamitie Co., Drv. S. Obermayer Co.
RANAREX, combustion recorder, Permutit Co.
RANDE, metal press pads, Bergen Machine & Tool Co., Inc., Rande Unit Springs Div.
RAPID POWER BOOSTER, portable power belt conveyor, Rapids-Standard Co., Inc.
RAPID ROLLER, conveyor, Rapids-Standard Co.,

Inc. RAPID-WHEEL, conveyor, Rapids-Standard Co.,

Inc.

RAPISTAN TABLE-VEYOR, belt conveyor to facilitate general handling of laundry bundles, Rapids-Standard Co., Inc.

RAY, oil and gas burners, pumps, Ray Oil Burner

RAY-BAR, clear exterior wood finish that resists rays of sun, The Peters Co., Div. Toledo Paint & Chemical Co.

RAYLENE, sour, Wyandotte Chemicals Corp., J. B. Ford Div. J. B. Ford Div.
RAYS, tape, Speare Box Co., Inc.
RAYS KRAFT, packaging supplies, Speare Box

Co., Inc. RAYTEN, cold-water soap, John T. Stanley Co.,

READY-PACK, cast split repair sleeves, Dresser Mig. Div., Dresser Industries, Inc. RECEIV-O-MARKER, identification systems, Best RE-CIRK-IT, circuit breakers, Heinemann Electric

Co. RECLAMITE, stain remover, H. Kohnstamm &

Co., Inc.

RECORDAK, accounting machines and systems, record systems, Recordak Corp.

REC-TONE, drycleaning detergent, Riverside Mfg. Co.
RED ARROW, feed ribbon, Southern Mills, Inc.
RED CHIEF, rubber belting, Webb Belting &

Supply Co.

RED EDGE, pads and padding for flatwork ironers and press machines, Knitted Padding Co.
RED FLASII, water besters, Pick Mig. Co.
RED & GREEN LINE, laundry fabrics, Heitrick

Mfg. Co.
REDI-COUNT ROLLS, identification system, REDI-COUNT ROLLS, identification system, Pittsburgh Tag Co.
REDI-CUT, flannel press pads, F. H. Bonn Co.
REDILIFT, trucks, Lewis-Shepard Products, Inc.
REDI-MARK, strip tags, Pittsburgh Tag Co.
REDI-TAG, pre-printed marking tag, Larton
Products Co., Inc.
RED LABEL, tallow soap, Beach Soap Co.
RED LINE, flatwork ironer apress, Pittsburgh
Waterproof Co.
RED-LINE, garment drier, Hopkins Equipment
Co.

Co. California collet, Hopania Equipment Co. RED LINE, greases, oils, lubricants, Union Oil Co. of California REDOTES, neutral red oil flakes and powder, Allen B. Wrisley Co.
RED STAR, diapers, towels and towelling, George Wood Sons & Co.
RED STAR, feed ribbons, New York Belting & Packing Co.

Packing Co.
REDUCTORS, speed reducers, Boston Gear Works, Inc. REDUX, indelible ink remover, Boston Clip &

Tag Co.

RED-WHITE-BLUE, matched pants and shirts for rental uniforms, Shreveport Carment Mfg.

Co.

REE-DRAPE, dry sizing and finishing compound, drycleaning, Riverside Mfg. Co.

REESCO, powdered laundry soap, Minnesota Chemical Co., Inc.

REE-TONE, drycleaning detergent, Riverside

Mfg. Co. REEVES ARMY TWILL, uniform cloth, Reeves Brothers, Inc.
REFINITE, zeolite water softeners, Elgin Softener

Corp.
REFLEXIT, replasticizer, Patek & Co.
REGAL, engines, Ames Iron Works
REGAL, neutral synthetic detergent, Armour &

REGULAR DRI SHEEN, detergent for charged

REGULAR DRI SHEEN, detergent for charged system, Adco, Inc.
REGULAR SOUR, sours, Keever Starch Co.
REINTJES, dependable arches, suspended walls,
Geo. P. Reintjes Co.
RELAB, powdered soap, soap chips, Minnesota
Chemical Co.
RELIABLE, fur cleaning, glazing and fur storage
equipment, Reliable Machine Works, Inc.
RELIABLE, orlon-dynel cleaning supplies and
cleaning machines and finishing equipment,
Reliable Machine Works, notors,
RELIANCE, a.c. and d.c. motors, motor generators, Reliable Electric & Entimeering Co.
RE-LOGIK, powdered soap, Minnesota Chemical
Co.

REMA "DRI-VACS", air vacuum systems for

REMA "DRI-VACS" air vacuum systems for presses, Rema Corp.

REMINGTON, electric typewriters, accounting and calculating machines and other office equipment and supplies, Remington Rand, Inc. REMO, cover-cloth fasteners, rack clips, net and marking pins, trays, safety and steel pins, overall tags, sorting racks, Risdon Mfg. Co.

RENARDS, leather cleaning and dyeing, Remards' RENEWO, angle, check and globe valves, Lunkenheimer Co.

RENEX, detergents, Atlas Powder Co., Industrial Chemicals Dept.

RE-NUI. notath sanonified resin and fatty acids.

RE-NU, potash saponified resin and fatty acids, Armour & Co., Industrial Soap Div. RE-NU-IT, solvent pump, Viking Pump Co. REO, motor trucks, Reo Motors, Inc.

REP, water repellent, R. R. Street & Co., Inc. REPELEX, water repellent, Dixo Co. REPEL-O-MOTH TANK, mothproofing equipment, Repel-O-Products Div., North American Merchandising Co.

REPUBLIC, controls, instruments, Republic Flow RE-PURGO, powdered soap, Minnesota Chemical

RESEARCH, leather belting, Graton & Knight Co. RESEARCH, zeolite, Research Products Corp. RESILLO, press pads, Resillo Press Pad Co.

RESIN FELT, nylon D. F. flannel, heat resistant, Gibraltar Fabrics. Inc. RESINTEX, nylon press cloths and press covers. Gibraltar Fabrics, Inc. RESISTI-CAL, weather-proofing product, Caled Products Co., Inc. Products Co., Inc. RESISTO, industrial marking ink, National Mark-

ng Machine Co.

RESIZET, sizing, R. R. Street & Co., Inc.
RESIZES POWDER BLEACH, fine fabric bleach,
Reslahs, Inc., Div., Linco Products Corp.
RESSYN, zeolite, Hungerford & Terry, Inc.
RESTORTEX, liquid sizing, National Cleaners
Chamical Mar Co.

RESTORTEX, liquid sizing. National Cleaners Chemical Mfg. Co. RESYN ADHESIVES, glues, gums, sirings, starches, National Starch Products, Inc. RETRON, flatwork ironer, American Laundry Machinery Co.

REVERE, copper and brass, Revere Copper &
Brass, Inc.

Brass, Inc.
REVERE SHOWMASTER, floodlights and lighting equipment, Revere Electric Mfg. Co.
REVULTY, water repellents, Davies-Young Soap Co.
REVULTE, asbests intwork ironer covers and

pads, Revolite Div., Raybestos-Manhattan, Inc.
REVOLON, ironer tape, Revolite Div., RaybestosManhattan, Inc.
REX, soluble liquid drycleaning soap, Davies-

Young Soap Co.

REX, tool steels, Crucible Steel Co. of America

REXAIR, vacuum cleaner, Prosperity Co., Div.,

REXAIR, vacuum cleaner, Prospertly Co., Dar.,
Ward Industries Corp.
REXAILOY, cast tool bits, Crucibie Steel Co.
of America
REX-FLEX, metal hose, Flexonics Corp.
REX-TITE, heat-proof reattachable couplings,
Flexonics Corp.
REX-TUBE, flexible metal hose, Flexonics Corp.
REXWELD, drill steel, Crucible Steel Co. of
America

REX-WELD, metal flexible hose, tubing, Flexonics Corp.

REZ, charged snap solvent conditioner, U. S. Min-ing Corp. REZEX, resinous zeolite, Elgin Softener Corp. REZISTAL, stainless steel, Crucible Steel Co. of

America
REZONE, resinons zeolite, Elgin Softener Corp.
R-51, drycleaning unit, Shields Engineering & Mig. Co.

Mig. Co.

Mig. Co.

Mig. Co.

Mig. Co.

Mig. Co.

R. H. CONTROL, electronic drycleaning relative humidity control, Adrian Research & Chemical

RHINAMEL, heavy duty enamel, Tropical Paint

& Oil Co.
R. H. P. CASCADE, laundry washer with removable horizontal partitions, American Laundry Machinery Co.
RIBBON DELUXE, cotton ribbon. Milwaukee Printed String Co.
RIBBON RITE, marking machine, Textile Mark-

ing Machine Co., Inc.
RICE'S, paint products, Barreled Sunlight Paint

CO.

RIDDAX, special alkali compound, Wyandotte Chemicals Corps., J. B. Ford Div.
RIMACO, size, stripper, wetcleaning soap, Riverside Mfg. Co.
RIMACO CENERAL FORMULA, ink and stain RINFORS DC, detergent, drycleaning, charge type, Sandoz Chemical Works, Inc.

RINFORS S, paint and grease re Chemical Works, Inc. RINK-L-FREE, garment distributor, Time Savers,

Inc.
RINSOMATIC, laundry washer control, American
Laundry Machinery Co.

RINSPEED, built soap for automatic laundries, Beach Soap Co.

RINTEX, soap and alkali compound, Wyandette Chemicals Corp., J. B. Ford Div. RINZAID, rinse promo Co., Div. Patek & Co. ter, Speedlite Chemicals

RISDON, button pins and straight pins, Risdon

RISOGRAN, powdered soap, Allen B. Wrisley Co. RITESIZE, dry to the wheel linen sizing, Speed-lite Chemicals Co., Div. Patek & Co. RIVERSIDE, wet spotter, carpet shampoo, strip-per, Riverside Mig. Co.

ROADOL, paint, oil and grease remover, Package Chemical Co., Inc. ROADOL L, wet spotter, Package Chemical Co.,

ROBERTS, numbering machine, Roberts Number-ing Machine Co.

ing Machine Co.

ROBERTS, press boards, Roberts Mfg. Co.

ROBINETS, laundry nets, C. S. Robins & Co.

ROBINS, acetic sour, G. S. Robins & Co.

ROBOT, self-contained automatic washers, Robot
Laundry Machinery Sales, Div. Wolf Co.

ROCCAL, germicide, Sterwin Chemicals, Inc.

ROCKET, laundry presses, Troy Laundry Ma
chinery Div., American Machine & Metals, Inc.

ROCKET-PER, synthetic solvent drycleaning unit,

Vic Manufacturing Co. Vic Manufacturing Co.

ROCKWEAVE, laundry textiles, aprons, cover and filter cloth, double-face flannel laundry nets and wrapping twine, Callaway Mills, Inc.

RO-FLO, air compressors, vacuum pumps, Allis-Chalmers Mfg. Co.

ROK-RIB, nylon laundry nets, Whitehouse Nylon Products
ROLA-RUG, rug rolling and packaging machines,
Lincoln Products, Inc.

ROLL-A-TAPE, marking tape, Liberty Marking ROLLERVEYOR, roller conveyor, Mechanical Handling System, Inc.
ROLL-ON-SEAL, gummed tape dispensers, Roll-on-Sealer Co.,

on-Sealer Co.

ROLL-OVER, barrel and drum cradles (15 to 55 gal. drums). Paul O. Young Co.

RONAFLEX, elastic synthetic tubing with woven metal wire cover, Ronaflex Tubing Co., Inc.

RONNINGEN, quick coupling fluid filters, manual and automatic, Ronningen-Petter Co.

RO-NOR, stain remover, H. Kohnstamm & Co., Inc.

ROOFKOTER, roof material, Tropical Paint & Oil Co.
ROOT BAGGER, garment bagger, Huebsch Originators, Div. American Laundry Machinery Co.
ROSS, solvent coolers, heat exchangers, Ross Heat Exchange Div.

ROSWELL, woven nylon laundry nets, Southern Mills, Inc.
ROTAINE, continuous conditioning tumbler, American Laundry Machinery Co.
ROTAY, condensation meters, American District Steam Co., Inc.

Steam Co., Inc. ROTARY, soot blower, Marion Machinery Foun-

ROTARY, soot blower, and dry & Supply Co.

ROTARY UNION, revolving steam joint, Perfecting Service Co.

ROTEX, drycleaning extractor, American Cleaners Equipment Co., Div. American Laundry Machinery Co.

ROTH, boiler feed units, pumps, Roy E. Roth Co.
ROTO BRUSH, portable, electric upholstery shampoo machine, Certified Chemical & Equip-

ROTO-KLEEN, filter, Bowser, Inc. ROTO-MATIC, rotating laundry process units, Unipress Co., Inc.

ROTO-SCREEN, waste water screening device, Patterson-Kelley Co., Inc. ROTO-SORTER, Kleen-Hamper, Inc.

ROUND "R", steel boiler, coal, oil, gas stoker, Kewanee Boiler Corp. ROUND THE BUTTON, shirt-ironing press pads, Resillo Co.

ROYAL, brass safety pins, Risdon Mfg. Co. ROYAL, medium titer, coco-tallow chip, a soap, Armour & Co., Industrial Soap Div. ROYAL, rubber hose, rubber belting, U. S. Rubber

ROYAL CALENDER, cylinder type flatwork ironer, American Laundry Machinery Co. ROYAL FLASH, match book, Universal Match

ROYAL OAK, leather belting, Webb Belting &

Supply Co.
ROYAL PINE, soaps, Iowa Soap Co.
ROYAL WORCESTER, lace leather, Graton & Knight Co.
RP NO. 757, stain remover, H. Kohnstamm &
Co., Inc.

RUBA-WEEV, rubber runner matting, American RUBBERALL, basket liners, shirt bags, aprons,

Toptex Corp. RUBBER BASE, primer sealer, Tropical Paint & RUBBER CITY, roofing materials, Rubber City

RUBEROID, built-up roofing materials, Ruberoid

RUBINOFF, tags, certificates, guarantees and supplies, M. Rubinoff, Inc. RUG BRITE, rug fibre brightener, Ultra White Co. RUGGLO, rug cleaning soap, Merson Products Co. RUG-IT, rog cleaning detergents, Certified Chical & Equipment Co.

RUG-O, rug and carpet soap, Davies-Young Soap RUG RITE, sour, Coastal Chemical Corp.

RUG SHAMPOO, rug and upholstery cleaning soap, Caled Products Co., Inc. RUSCO, belts, beltings and webbing, Russell Mfg.

RUSO, fuel oil treatment, National Chemical Sales RUST BAR, paint, rust preventative, Midland Paint & Varnish Co.

RUST-E-LIM, re Industries, Inc. rust remover, Johnson Chemical RUSTEX, sour, Hood Chemical Co., Inc., Crescent

RUSTEZE, rust solvent, Hood Chemical Co., Inc., Crescent Div. RUST-GO, rust remover, A. L. Wilson Chemical

Co., RUSTI REMOVER, removes metallic stains, Lustrol Drycleaning Products, Div. Patek & Co. RUSTICK, rust remover, National Cleaners Chemical Mfg. Co.
RUSTICON SS, rust preventative, Philadelphia Quartz Co.

RUSTIKOTE, rust preventative, Tropical Paint & RUSTYRASE, rust remover, Hachik Bleach Co.

S-A, anti-sulfuric-acid valves, Lunkenheimer Co. S.E.B., wetcleaning soap, E. F. Drew & Co., Inc. S.I.S., roofing, Barrett Div., Allied Chemical & Dye Corp.

Dye Corp.

SOH, low-pressure boiler, Titusville Iron Works
Co., Div. Struther Wells Corp.

SP, high-pressure boiler, Titusville Iron Works
Co., Div. Struther Wells Corp.

S-R, spotter for brown and yellow stains, Caled Products Co., Inc.
SSS, anhydrous silicate builder, Patck & Co. SABIN, glove cleaning machines, Sabin Machine

SACO, speed reducers, Stephens-Adamson Mfg. SACON, belt conveyor carriers, Stephens-Adamson

Mig. Co. SACON, water soluble size, Wallerstein Co., Inc. SAFEGUARD, fuel oil heater, Alstrom Corp. SAFE KUTTERS, cord knife, Time Savers, Inc. SAFE-TIE ANCHORS, refractory anchors, Ram-

SAFE-T-BLEACH, organic chlorine bleach, Speedlite Chemicals Co., Div. Patek & Co. SAFE-TO-ALL, spotting solvent, Warco Labora-SAFE-T-BLEACH,

tories SAFE-T-SOL, dry oil, paint and grease remover. SAFE-T-THRIFT, safety solvent unit, Butler Mfg.

SAFETY, diapers, Sani-Top Co. SAFETY LINEN, sour, Diamond Alkali Co. SAFETY-LOCK, nylon laundry net, Gibraltar Fabrics, Inc.
SAFEX TRUCLEEN, petroleum solvent drycleaning unit, American Cleaners Equipment Co.,
Div., American Laundry Machinery Co.
SAF-T-BAK, non skid rug backing, Testworth

orp. SAF-T-MARK, marking tags, Stry-Lenkoff & Co.

Focock
SAK-RAK, bug holder, pre-marking containers,
cloth bags, Sak-Rak Co.
SALVE-O-LIN, akin salve, Keystone Aniline &
Chemical Co., Inc.

SAMOSET, soap, Lewis National Corp. SAMSON, packing, U. S. Rubber Co. SAMSONMITE, filter bags, feather bags,

SAMSONMITE, filter bags, feather bags, extractor covers, toap whips, starch whips, tumbler pads, Manitowoc Cotton Goods Mfg. Co. SANA-FILTER, low-pressure, filter-type soap, Huntington Laboratories, Inc. SANDOFIX WE, fixing agent (dyes) Sandoz Chemical Works, Inc.

SANDOLIX O, leather softener, Sandoz Chemical Works, Inc.

Works, Inc.
SANDOPAN DTC, detergent, special wet cleaning, Sandoz Chemical Works, Inc.
SANEX, dry, neutral mothproofing agent for use in the wheel, Signal Chemical Mfg. Co. Inc.
SANICO, drycleaning soap, Dello Products Co.
SANI-DET, sanitizers, Coastal Chemical Corp.

SANI-MATIC, brush-spotting machine, Sa SANIMASTERS, water heaters, Rund Mfg. Co.

SANI-SOUR, antiseptic, all-purpose sour, Keever SANITEX, baskets, trucks, bags, C. R. Daniels,

Inc.
SANITONE, drycleaning process, Emery Industries, Inc., Sanitone Div.
SANITONE "D", prespotter, Emery Industries, Inc., Sanitone Div.
SANITONE 870, solvent conditioner, Emery Industries, Inc., Sanitone Div.
SANITONE 870, solvent compound, Emery SANITONE MC mychargoding compound, Emery

SANITONE STA. solvent conditioner, Emery Industries, Inc., Sanitone Div.

SANITONE MC, mothproofing compound, Emery Industries, Inc., Sanitone Div.

SANITONE NA, neutralizing agent, Emery Industries, Inc., Sanitone Div.

SANITONE SOFT SET, wool finishing oil, Emery Industries, Inc., Sanitone Div.

SANITONE ST, sonitone Div.

SANITONE STYLE SET, silk size, Emery Indus-SANITONE WR, water repellent, Emery Industries, Inc., Sanitone Div.

SANI TOP, diaper cans, diaper pails, deodorants,
Sani-Top Co.

SANI-TYPE, heat reclaimer, Patterson-Kelley Co.,

Inc.
SANI-WHITE, bleach, G. S. Robins & Co.
SAPOTEX, soap compound, G. S. Robins & Co.
SAPPHIRE, stripper and stain remover, Lewis
National Co.
SARCO, steam traps, temperature regulators, Sarco

CO., Inc.
SARCO-CIDE, sour, Slater-Robins Co., Inc.
SARCO-CONCENTRATE, paint and grease remover, Slater-Robbins Co., Inc.
SARCOFIN, radiation baseboard and fin-type,
SARCOFLOW, balancing fittings, Sarco Co., Inc.
SARCO-MIST, moth spray, Slater-Robbins Co.,
Inc.

Inc. SARCOSTAT, motor-operated valve, Sarco Co.,

SARCO-SOL, paint and grease remover, Slater-Robbins Co., Inc. SARCO-TEX, wetcleaning detergent, Slater Robbins Co., Inc.

SATINETTE, combination starch, Keever Starch Co., SAV-A-LOAD, extractor covers, F. H. Bonn Co. SAVO, 92% powder soap, John T. Stanley Co., Inc. SAVONOL, wet spotter, Patek & Co. SAVONY, zippers and zipper parts, B. & G. Lieber-man Co., Inc.

man Co., Inc.
SAV-WAY TAGS, piece-control marking tags,
Fre-Marked Strip Tag Co.
SAXMAYER, tying machines, National Bundle

Tyer Co.

SCALE-I-CATER, boiler cosmound, W. F. Johnson Products Co.

SCHAUB, boiler feed and condensation return

SCHAUB, boiler feed and condensation return systems, Fred H. Schaub Engineering Co. SCHRAMM, air compressors, Schramm, Inc. SCIENTIFIC, boiler water treatment, Scientific Boiler Water Conditioning Co. SCOT. shirt packers, MacDonald Services SCOTCH BRAND, tapes for the cleaning industry, Minnesota Mining & Mfg. Co. SCOTSMAN, washers, Ayr-Mor Machinery Co., Inc. SCOTTIE, JR., high-pressure riveted boilers, Ke-

wanee Boiler Corp.
SCRAM BLOOD, blood remover and wet spotter,
Warco Laboratories

SCRUB, spot remover, Starr Soap & Chemical Co., Inc. SCRUB-O-MATIC, garment scrubber, Hopkins

SCRUB-O-MATIC, garment scrubber, hopeled Equipment Co.

SD-130, drycleaning tumbler, Hoyt Mfg. Corp.
SEABLUE, blue, Speare Co.
SEALED POWER, totally enclosed fan-cooled motors, Crocker-Wheeler Electric Mfg. Co.,
Dv. Joshua Hendy Iron Works
SEAL MASTER, ball bearings, Stephens-Adamson

Mfg. Co. SEAL SHICATE, silicate adhesive, Philadelphia

S.E.B. CONCENTRATED, silk and wool soap, E. F. Drew & Co., Inc. 3C, combination washer extractors, solvent cool-ers, filters, press, solvent recovery units, Sec-O-Matic Corp.
SEC-CLEANIZED, drycleaning process, Sec-O-

Matic Corp.
SECCO, dry water repellent, Patek & Co.
SECTOFOG, moth protection by fogging, Fumol

SECURITY, marking pins, Risdon Mfg. Co. SEE-SAFE, plastic storage and blanket bags, Mehl Mfg. Co. SEE-SAFE, plastic storage and blanket bags, Mehl Mrg. Co. SELECTA-SPOT, color code spotting method,

Caled Products Co., Inc.
SELECTRO, washer control, American Laundry
Machinery Co.
SELF-SEAL, adhesive shirt bands, National Paper

SELF-SEAL, adhesive shirt bands, National Faper Band Co.

SELF SERVICE ASSEMBLY, F. W. I. padding (nylon & cotton), Gibraltar Fabrics, Inc.

SELF-STICK, shirt bands, Phoenix Products Co.

SELF-STICK, shirt bands, Phoenix Products Co.

SELERS, steam boilers, open return systems, sellers Engineering Co.

SENECA, soap, Lewis National Corp.

SENECA, starch, H. Kohnstamm & Co., Inc.

SENIOR, Inbricators, Lunkenbeimer Co.

SENIOR, Tollicators, Lunkenbeimer Co.

SENSIMATIC, accounting machines, Burroughs Adding Machine Co.

SENSIMATIC, accounting machines, Burroughs SENSITROL, relay, Weston Electrical Instrument Corp.

Corp. SEATREX, washer control, American Laundry Machinery Co.
SENTRY, 24 hour dial watchman's clock, Lathem Time Recorder Co.
SEARIN 2616, chemical water conditioners, Dow Chemical Co.

SEQUESTRENE, water softener, Alrose Chemical Co., Div. Geigy Chemical Corp. SENTINEL, oil cup, Lunkenheimer Co. SEPIO, sour, Diamond Alkali Co. SERDEX, gauges, solvent humidity control, Serdex

SERL, rug location, shampoo, Tower Chemicals,

SERVIS RECORDER, time and truck recorders, Service Recorder Co. SESQUILATE, laundry detergent, Diamond Al-

SESQUILATE, laundry detergent, Diamond Alkali C.,
SETLOW, uniforms, M. Setlow & Son, Inc.
7C, drycleaning presses, Prosperity Co., Div. Ward
Industries, Inc.
77.11" CLOTH, laundry flatwork froner cloth,
R. Laily Co.,
77.19, spray-dried to homogeneous free-flowing
beads, Lever Brothers Co.
77.27, blue. H. Kohustamm & Co., Inc.
77.3" COLLECTOR CART, cart for soiled linen
or laundry cart, Paul O. Young Co.
727, curtain and blanket wetcleaning product for
wheel washing, Caled Products Co., Inc.
722, rug and carpet soap, Caled Products Co., Inc.
SHAMROCK, canvas baskets, hampers, trucks,
plastic washroom trucks, Meek. Inc.
SHAMROCK, auto-veyor, Automatic Specialties,
Inc.
SHAMROCK, auto-veyor, Automatic Specialties,
Inc.
SHAMROCK, auto-veyor, Automatic Specialties,
Inc.

SHAW, collar edger, Reed Mfg. Co. SHEDITE, waterproof belt cement, I. B. Williams

& Sons
SHEEN, sizing, Patek & Co.
SHELBY, tubing, National Tube Co.
SHELL-SOL 14, 140 flash solvent, Shell Oil Co.
SHELL-SOL 103, naphtha, petroleum solvent,
Shell Oil Co.

SHELL-SOL 36, stoddard solvent, Shell Oil Co. SHELL-SOL, 366 SOLVENT, stoddard solvent, Shell Oil Co.

SHELLMAX, micro-crystalline wax, Shell Oil Co. SHELLWAX, fully refined paraffin wax, Shell Oil Co.
SHELV-I-CART, laundry cart with shelves for clean linen, Paul O, Young Co.
SHENE, shor was, Concord Chemical Co.. Inc.
SHERWIN-WILLIAMS, paints, varnishes, enam-

els, lacquers for maintenance purposes, Sher-win-Williams Co. SHIELDS, drycleaning units, reclaimers, tubular filters, Shields Engineering & Mfg. Co. SHINE BRIGHT, liquid scrubbing soap, Hild Floor Machine Co., Inc.

"SHIPPER," two-wheel hand truck, Paul O.

Young Co.
SHIPSAFE, bags, Lanning Bag & Specialty Co.
SHIRLAN, textile fungicides, E. I. du Font de
Nemours & Co., Inc.
SHIRTAINER, shirt packaging, Loroco Industries,

SHIRT BIN, for conveying shirts, J. W. Steele &

Co.
SHIRT CHUTE, metal chute for shirt handling,
Rosenthal Mfg. Co.
SHIRT PAX, combination shirt board, collar support and box. Package Masters, Inc.
SHIRT "QUICK PACK," shirt bag, paper, Gaylord Container, Div, Crown Zellerbach Corp.
SHIRTRANSPORT, shirt transporter, Bishop

SHIRT VALET, Shirt Valet Plan, Inc.

SHIRT VALET, Shirt Valet Plan, Inc.

SHIRT-V-LOPE, printed cellophane shirt bag,
Lee Converters, lic. office finished shirt conveyor, White Machine Co., Inc.

SHOP.IN-CAR, rolling call-counter window shelf
for drive-in plant, Shop-In-Car Corp.

SHOWERFEED, Roor, rug and carpet scrubbing
machines, Hild Floor Machine Co., Inc.

SHOWER-FRUE, water repellent, Adco., inc.

SHREDDED, 88% flake soap, John T. Stanley Co.,
Inc.

SIBUR, mothproofing agent, Sibur Mothproofing SIDE AISLE, truck bodies, Montpelier Mfg. Co. Mfg. Co.

SIG, protein spot remover, Signal Chemical Mfg. Co. SIGNAL, finneproof, insecticide, Signal Chemical Mfg. Co.
SIGNAL CONTACT SPRAY, insecticide, Signal Chemical Mfg. Co., Inc.

Chemical Mig. Co., Inc.
SILENT SERF, vacuum cleaner (industrial, wet and dry), Certified Chemical & Equipment Co.
SILA-HAND, protective hand cream, Warco Lab-SIL-EX, black metal washer, Gross Machinery Co.,

Inc. SILICON, spun nylon press cover, Phoenix Supply SILIC-O-NECTIC, time delay relays, Heinemann

Electric Co.
SILKANWOOL, silk and wool soap, North Coast
Chemical & Soap Works SILK AND WOOL SOAP, cocoanut oil soap,

Patek & Co. SILTEX, FLAKES, medium-titer soap, Allen B. Wrisley Co. SILVER KOTE, lacquer, Pittsburgh Waterproof

Co., SILVER LABEL, hatters equipment and supplies, National Hatters Supply Co., National Hatters Supply Co., SILVERLINK, roller chains, sprockets, Link-Belt SILVERLINK, roller chains, sprockets, Link-Belt

CO.
SILVERSEAL, colored specialty tapes, Gummed Tape & Devices Co.
SILVER-SEAL, extractor covers, R. Lally Co.
SILVERSHINE, galvanized garment hangers,
U. S. Metals Corp.
SILVERSTREAK, silent chain drives, Link-Belt

SILVERTEEN, wire hangers, Academy Hanger Co., Inc.
SILVERTOP, air release valve, V. D. Anderson
Co., Div. International Basic Economy Corp.
SIMCO MIDGET, static eliminators, Simco Co.
SIMMONS, cuff and tag tacking machines, Chandler Machine Co.
SILVEONS ELECTROMENT, mending and

ler Machine Co.

SIMMONS ELECTRO-MEND, mending and patching machines, Chandler Machine Co.

SIMPLEX, soap, H. Kohnstamm & Co., Inc.

SIMPLEX, laundry tumblers, extractors and washers, flatwork ironers, drycleaning tumblers, Speed Queen, Div. McCraw-Edison Co.

SIMPLEX, office machines, time recorders, Simplex Time Recorder Co.

SIMPLEX, oil humers, time recorders, simplex oil Heating Corp. SIMPLEX, oil humers, Simplex Oil Heating Corp. SINGER, sewing Machine Co.
SPON, wetcleaning detergent, American Alcolao

SIRCO, tropical nut shells for fur cleaning, Bernard Sirotta Co. SIRCO FUME, liquid fumigating gas, Bernard

Sirotta Co.

Sirot

SIZ-A-TIZE, concentrated dry sizing, Dixo Co. SIZE, water-soluble size finish, Davies-Young Soap Co. SiZE-ALL, liquid sizing, Keystone Aniline & Chemical Co., Inc. SiZE-RUTE, dry sizing, Warco Laboratories SIZEX, solvent soluble sizing, Stamford Chemical

SIZIN, sizing, wet side, Eaton Chemical & Dye-stuff Co. SIZ-IN, hat sizing, Greenville Chemical Co. SKELLYSOLVE-S, stoddard solvent, Skelly Off SKELLYSOLVE-T, petroleum solvents, Skelly Oil

CO.

SKIRT KLIPS, skirt clips, West Side Corp.
SKORTEX, wetcleaning compound, Wyandotte Chemicals Corp., J. B. Ford Div.

SKY ROCKET, extractors, Hammond Laundrys-Cleaning Machinery Co.
SKYTINT, liquid laundry blue, Kliegman Bros.,

Inc. SLACKS SAKS, trouser bags, Phoenix Products "SLEEPING COLLAR" SHAPER, collar shaper,

Prosperity Co., Div., Ward Industries Corp. SLEEVE-MASTER, single lay sleever, Forse Corp. SLICK TRAILER, call office for laundry and dry cleaning, Slick Trailer Stores SLICKER, wire brushes, American Pressboard Co.,

SLIP EASY BRAND, motor oil, boiler and roofing materials, Riverside Chemical Co.. Inc. SLIP-IN collar protectors, Procuis Products Co. SLIP-IN OT, belt dressing, Webb Belting & Sup-

ply Co.
SLIP-NOT. special tanned leather belting. Milwaukee Leather Belting Co.
SLIP-ON, hanger shields, Academy Paper Box Co.
SLIP-ON, hanger shields, Larton Products Co.,

SLIP-ON, sieeve press covers, F. H. Bonn Co.
SL-230, tumbler, laundry, rug & carpet, Hoyt
Mis. Co.
SLO-SPEED, electric power drive, Sterling Elec-

tric Motors, Inc.
SLYDE-OUT, washer, Troy Laundry Machinery
Dry, American Machine & Metals, Inc.
Dry, Ambrican Machine & Metals, Inc.
Obmical Co.
SMTH-GRANTHAM, tumbler, and washer, T. L. SMOOTHIE, fabric softener, Abso-Clean Chemi-

SMOOTH-O-MATIC, shelf-type vendors, Abso-

Clean Chemical Co. SMOOTH-TEX, press cloth, feed ribbons, Pftts-burgh Waterproof Co. SNAC-PRUF, zipoers and zipper repair kits, Steves, Michael Cosp. SNA-PON, trouser guards, Tillery Container Corp. SNA-PON, trouser guards, Tillery Container Corp.

SNIFF-O-MISER, solvent, Hoyt Mfg. Corp. SNO MUD CHIEF, truck tires, Mohawk Rubber Co.
SNOWFINE CRYSTALS, alkali cleanser, Solvay
Process Div., Allied Chemical & Dye Corp.
SNOWFLAKE CRYSTALS, sodium sequicarbonate, Solvay Frocess Div., Allied Chemical &

SOAP-O-MATIC, soap dispenser, Hopkins Equipment Co.
SOAPRITE, soap, Lewis National Corp.
SOF-T, textile softener paste, Marlyn Chemical

Co., Inc.
SOFTEE, pressure and vacuum filters, Hammond Laundry-Cleaning Machinery Co.
SOF-T SEPTIC, textile softener paste with germicidal agent for diaper service, Marlyn Chemical Co., Inc.

Co., Inc. SOFTEY, diapers, Sani-Top Co. SO-GO, wetcleaning soap, A. L. Wilson Chemical Co.
Co.
Chemical Co.
SOIL-SOLV, ink and stain remover, laundry and drycleaning. Tower Chemicals, Inc.
SO-KLEEN PENETRANT, drycleaning detergent,

Merson Products Co.

SO KLEEN SY, synthetic drycleaning soap, Merson Products Co.

SOLAR H.D., laundry, rug, carpet and wetcleaning soaps, Swift & Co., Industrial Soap Dept.
SOLARINSE, optical whitener, Carlton Chemical

SOLAR NEUTRAL, neutral alkyl arve sulfonate for wet cleaning, swift & Co., Industrial Soap

Dept.

SOLAR NP, liquid ethylene oxide condensate,
Swift & Co., Industrial Soap Dept.

SOLAR REGULAR, liquid amine condensate,
Swift & Co., Industrial Soap Dept.

SOLARSUDS, detergent, Carlton Chemical Co.,
Inc.

SOLARSUDS, dotergent, Carlton Chemical Co., Inc.
SOLAR 25, high sudsing liquid detergent, Swift & Co., Industrial Soap Dept.
SOLBLUE, blue, Speare Co.
SOLBELER, break powder, Lewis National Corp.
SOLBUMEN, spotting agent, Eaton Chemical & Dyestuff Co.
SOL-ESCO, industrial laundry detergent, Cowles Chemical Co.
SOLGON, paint remover, Lewis National Corp.
SOLID CURB, laundry, drycleaning extractors, American Laundry Machinery Co.
SOLIT-AYR, washers, tumblers, extractors, Ayr-Mor Machinery Co., Inc.
SOLIVE, soaps, Lewis National Corp.

SOLOX, proprietary denatured alcohol, general purpose solvent, U. S. Industrial Chemicals Co., Div. National Distillers & Chemical Corp. SOLOZONE, sodium peroxide, B. I. du Pont de Nemours & Co., Inc.
SOL-SIL-ATE, sikalı soap builder, Lewis National Corp.

SOL-SIL-ATE, special alkali compounds, Speare

Co.
SOL-SOUR, sour, Lewis National Corp.
SOL SUDS, soap, Lewis National Corp.
SOL-TEMP, solvent temperature control unit,
Benton Bros.

Riverside Mfg. SOLTEX, drycleaning detergent, Riverside Mfg.

SOLUBON, textile dyeing assistants, American Aniline Products, Inc. SOL-U-LUBE, neutral lubricant, Huntington Lab-

oratories, Inc.
SOL-U-NESE, dry and wet spotter, Huntington
Laboratories, Inc.
SOL-U SOAP, drycleaning soap, Huntington Laboratories, Inc. SOLVAIR, solvent cooler, Samuel Jackson Mfg.

Co.
SOLVATROL, drycleaning unit, Shields Engineering & Manufacturing Co.
SOLVATROL, drycleaning unit, Shields Engineering & Manufacturing Co.
SOLVENT MASTER, solvent cooler and preheater. Tripp Mfg. Co.
SOLVENT SAVER, solvent recovery unit, Vic Manufacturing Co.
SOLVEX, spotting agent, Spix Products Co.
SOLVEX, drycleaning unit for use with petrole solvent, Vic Manufacturing Co.
SOLVING, ink, paint, rust blood stain remover, Greenville Chemical Co.
SOLVINGL, spotting soap, Keystone Aniline & Chemical Co., Inc.
SOLV-O-MARK, indelible marking pen, Mark-O

SOLVO-MISER, solvent reclaiming, Hoyt Mfg. Corp. SOL-VO-RUST, sour, Thompson-Hayward Chem-

SOLVO-STAT, solvent conditioner, Hoyt Mfg.

Corp.
SOLTYNES, digestive agent, Lewis National Corp.
SOME'S, uniforms, badges, embroidered emblems,
Some's Terminal Uniforms
S-L-S-2, 5% and 15% bleach, Reslabs, Inc., Div.
Linco Products Corp.
SOPE BRAKE, break compound, Patek & Co.
SORBIT. wetting agent, Alrose Chemical Co.
SOVLON, dacron broner covers, Southern Mills,
Inc.

SOURFLO, laundry sour, Wyandotte Chemicals Corp., J. B. Ford Div. SOUR-TEC, sour, Wyandotte Chemicals Corp., J. B. Ford Div, SOUTHDOWN, dispers, George Wood, Sons & Co.

SOUTHEASTERN, laundry textiles, Southeastern Textile Co.
SOUTHERN COLONEL, sponge press pads,
Southern Mills, Inc.
SOUTHLAND, cellophane bags, Southland Enter-

prises SOVASOL 140. Petroleum safety solvent, Socony-Vacuum Oil Co., Inc. SOYDOL, somp concentrate. A. F. Wolke Co. SPACEMASTER, stacker, Lewis-Shepard Prod-

ucts, Inc.

SPAN, emulsifier wetting agent, Atlas Powder Co.,
Industrial Chemicals Dept.

SPARKETTE, detergent, Pennsalt Chemicals Corp.

SPARKLE, laundry detergent, Fennsalt Chemicals

Corp.

SPARKLE, laundry detergent, remnant chemicans Corp.

SPARKLE, chlorophyil deodorant concentrate, American Mothproofing Co.

SPARKLE, drycleaning soap, Starr Soap & Chemical Co., Inc.

SPARKLEAN, drycleaning detergent, Cidex Corp.

SPARKLOAG, detergent emulsifier, Cidex Corp.

SPARTAN, flat and block leather V belt, leather packings, Graton & Knight Co.

SPARATAN, ets., Egan Cotton Mills

SPEARE'S, blues, Lewis National Corp.

SPECIAL EXTRACTOR, leather belt, Webb Belting & Supply Co.

SPECIAL FINISH, starch, A, E. Staley Mfg. Co.

SPECIAL FINISH, starch, A. E. Staley Mfg. Co.
SPECIAL IRONER OIL, cleans, polishes and
lubricates flatwork ironers, College Chemical

SPECIAL PER, hot synthetic drycleaning unit, Vic Manufacturing Co.

Vic Manufacturing Co.
SPECIAL SOUR, laundry sour. Keever Starch Co. SPECIALTY, garment bagging device, Specialty SPEE-D-BAGGER, bagging device, Para-Lux Products Co.

SPEED CHECK, drycleaners identification and work flow system, Speed Check Co., Inc. SPEEDEE, drying cabinets, Hammond Laundry-Cleaning Machinery Co. SPEE-DEE, oil and grease remover, Adeo, Inc. SPEEDEX, extractor, Zephyr Laundry Machinery Co.

SPEED-FIBRE, day tags, Market Industries Co.,

SPEED-FLOW, powered conveyor, Speed Check Co., Inc.

SPEED GRIP, wire hook tags, Liberty Marking
Tag Co., Inc.

SPEEDIE, automatic tape sealing machine, Time

SPEEDISETS, sales and record forms, Moore

Business Forms, Inc.
SPEED KING, tumblers, Hammond Laundry-Cleaning Machinery Co.
SPEEDLINE, trucks, Lewis-Shepard Products, Inc.
SPEEDLINE, ironers, Troy Laundry Machinery Div., American Machine & Metals, Inc.
SPEEDLINE, synthetics, soaps, wash room products, Patel & Co.

SPEEDLITE, synthetics, soaps, wash room prouucts, Patek & Co.
SPEEDMASTER, rug scrubber, Certified Chemical
& Equipment Co.
SPEEDMASTER, stackers and portable elevators,
Lewis-Shepard Products, Inc.
SPEED PAR, shirt pack, John P. Lynch Co.
SPEEDPLUS, filter powder, Dicalite Div., Great
Lakes Carbon Corp.
SPEED SET, variable numbering machines, American Numbering Machine Co.
SPEED SHIRT PAK, shirt package, Para-Lux
Products Co.

Products Co.
SPEED-SIZE, "in the wheel" dry fabric sizing
for cleaners, Lustrol Drycleaning Products, Div.

For Cleaners, Lustrol Expressions, Patek & Co.
SPEED-TROI, electric power drive, Sterling Electric Motors, Inc.
SPEED-VAN, delivery trucks, Linn Coach & Truck Div., Great American Industries, Inc.
SPEEDWAY, all-purpose spray type spotter and stain remover, Speedway Chemical Co.
SPEEDWAY, washer, tumblers, starch cookers, truck tubs, Industrial Laundry Machinery Co., Inc.

Inc.
SPEEDY, washer-extractor, packaged quick-service laundry plants, Small Equipment Co., Div., American Laundry Machinery Co.
SPEEDY, washers, driers, water heaters, dry-cleaning machines, Speedy Washer Mfg. Co.
SPEEDYLECTRIC, steam generators, Pantex Mfg.

Co.
SPEEDY-SET, automatic lock bottom earton,
Cornell Paperboard Products Co.
SPHERO, iron ball valves, Fairbanks Co.
SPHERO, iron ball valves, Fairbanks Co.
SPHRO, steam hot water heaters and nursers,
David Stout & Sons
SPIROLI, direct feed spreader, tape saver, bridge
for folder, spring connector, heat seal patches
and 2-way clutch attachment, Mazzolla Spiroll
Sales Corp.
SPIX, prespotter, drycleaning and suede soap,
band cream, Spix Froducts Co.
SPORTFOLIOS, sport shirt package, Package
Masters, Inc.

Masters, Inc.
SPORTLIGHT, sport-shirt folding board, Key-Tag
Checking System Co.
Checking System Co. SPORT SHIRT, press unit, American Laundry

Machinery Co.
SPORTS FAX, window envelope for packaging of sport shirts, Time Savers, Inc.
SPORTSTER, shirt folder, Time Savers, Inc.
SPORTSTER, shirt folder, Time Savers, Inc.
SPOTLESS, paste develoating soap, National Cleaners chemical Mfg. Co.
SPOTLESS CLUGROFORM, substitute for chloroform, Slater-Robbins Co., Inc.
SPOTLESS SIZE, synthetic sixing, Slater-Robbina Co., Inc.

Co. Inc.
SPOTI-O-MATIC, automatic prespotting machine,
Wichita Precision Tool Co. Inc.
SPOTOUT, spotting aids, Kennedy Products Co.
SPOTINGHT, prespotter, Allen & Vickers, Inc.
SPOTIS-GO, spotting agent, paint, oil and grease
remover, A. L. Wilson Chemical Co.
SPOTTERS FRIEND, wet spotter, Smith Bros.
Co.

Co. SPOTTING IODINE, iodine spotting agent, Warco SPOTTING PENCILS, pencils, Eaton Chemical &

Dyestuff Co.
SPOT-X, prespotter, Huntington Laboratories, Inc.
SPRA, miniature beads of wax, Victor Zooz Chemical Co.
SPRA-SPOT, paint, oil grease remover, Kleentest

Laboratories
SPRAY DREST, liquid spray finish for suedes or
smooth leathers, Caled Products Co., Inc.
SPRAY-MASTER, spray gun, Cleaners Specialties

Supplies Co.
SPRAY MIX, coating refractory, Mexico Refrac-SPRAY SPOTTER, for spray spotting, Caled Prod-

SPRAY SPOTTER, concentrated spotter on wet side, Eaton Chemical & Dyestuff Co.

SPREE, prespotter, spray spotter, Edelmuth Mfg.

Chemists

SPUND DIAMOND, 88% flakes, 92% powder, soaps, Lever Brothers Co.

SPUNTLON, nylon net, Carson Textile Co., Inc.

SPURT, blood remover, Patek & Co.

SOUARE-HEAT, steel boiler, coal, oil, gas stoker, Kewanee Boiler Corp.

SQUAREWAY, curtain & blanket stretcher, Hop-

kins Equipment Co.

SQUIRES, reducing and registering valves, C. E.

Squires Co.

SR-3, soil retardant, J-G Chemists. SS COMPOUND, washing compound unds. Lowis No. tional Corp.

STABILON, textile dyeing assistants, American

Aniline Products, Inc.

STACK-EM. hanger rack, Time Savers, Inc.

STACK-STAT, stacker, Troy Laundry Machinery

Div., American Machine & Metals, Inc.

STACKRITE, flatwork stacker, American Laundry

STA-DAMP, plastic basket liners, Zuckerberg Co. STADLUBE, starch lubricant, Stadham Co., Inc. STAD-SPUN, spun treated nylon cloth, Stadham

STAD-TAPE, flatwork ironer tape, Stadham Co., STAD-TEX, treated nylon cloth, Stadham Co.,

Inc.
STADWAX, ironer oil, powdered wax, paste.
Stadham Co., Inc.
STA-FLO, liquid starch, A. E. Staley Mfg. Co.
STAG BRAND, press covers, aprons, bags, feed ribbons, Pittsburgh Waterproof Co.
STAGG, spotting aids a c G Chemical Co.
STAIZ THE ARISTOCRAT, collar supports, Time Savers, Inc.

Savers, Inc. STAIN-A-WAY, oxidized-stain remover, Warco

Laboratories
STAINEX. laundry sour, Keever Starch Co.
STAINLO-GO, spot remover, Dello Products Co.
STAINLO-GO, spot remover, Dello Products Co.
STAINC, collar supports, Time Savers, Inc.
STAMCLEAN SPRAY SPOTTER, prespotter,
Stamford Chemical Co.
STANOO-A, blues, sours, Keever Starch Co.
STANDARD, asbestos press covering, F. H. Bonn

STANDARD, laundry, drycleaning machinery, Standard Laundry & Cleaning Machinery Co. STANDARD, prin carrier, Keyes-Davis Co. STANDARD, press pads, Resillo Co. STANDARD MOTORS, electric power drive, Ster-

ling Electric Motors, Inc. STANDATROL, air-operated relay, Bailey Meter

STAND-EZE, floor mat, Colonial Rubber Co. STA-NEAT, garment hanger cover, Sta-Neat Corp.
STAN-O-MATIC, petroleum and synthetic drycleaning units; petroleum washer-extractor
combination, Standard Laundry & Cleaning
Machinery Co.

Machinery Co. STANORUST, rust preventative, Standard Oil Co. STANOX, hot-water built soap, John T. Stanley

Co., Inc.
STANSO, cleaning chemicals, detergents. Standard Soap Co., Div. Concord Chemical Co., Inc.
STANSO TEX OIL, sulphonated oils, turkey red oil, Standard Soap Co., Div. Concord Chemical oil, Standard Soap Co., Div. Cond. Co., Inc. STANTEX, press and cover cloth, John T. Stanley

STA-NU PROCESS, fabric-renewing compound introduced through steam line, Sta-Nu Corp. STAPEX, starch, A. E. Staley Mfg. Co. STAPI-TITE, marking tag, Liberty Marking Tag

STARCHTEX, starch lubricant, Lewis National

Corp.
STAR BRITE, fluorescent laundry sour, Kenco
Chemical Co., Inc.
STAR DOWN, diapers, George Wood. Sons & Co.
STARFLITE, shirt finishing unit, Unipress Co.,

STA-RITE, collar supports, shoulder shields, trouser guards, tie holders, industrial aprons, Hodge, Farwell & Co.

STARR-BRITE, wetcleaning soap, Starr Soap &

Chemical Co. STAR SERVICE, wire hangers, Star Service Hang-er Div., Young Spring & Wire Corp. STARTEX, break detergent, H. Kohnstamm &

STAHLEA, Dreak Getergein, L.

Co. Int. Static control, drycleaning, R. R.

STATICOL, static control, drycleaning, R. R.

Street & Co., Inc.

STATIKIL, static eliminator, Statikil Div., J. E.

Dovle Co.

STA-VENT CLAMPS, accessory to steam-air finishers. Wichita Precision Tool Co., Inc.

STAY-FRESH, finishing process, Stay-Fresh Cosp.

STAY-FON, identification system, National Marking Machine Co.

STAY-PUT, adhesive collar stays, Story Mfg. Co.

STAY-PUT, adhesive collar stays, Story Mfg. Co.

STAZUP, collar supports, Alfred J. Brooks

STEAM-AIRE, garment finishers, Fantex Mfg.

Corp.

Corp.
STEAMASTER, unit heater, Young Radiator Co.
STEAMASTER, boilers, return systems, Steamaster Automatic Boiler Co.
STEAMBOILERPLANT, boilers, Eclipse Fuel
Engineering Co.
STEAM FLOW, pada, Resillo Co.
STEAM FLOW, robber press pad, Newhouse Co.
STEAM FLOW, robber press pad, Newhouse Co.
STEAMIN STEVE, portable electric steam generator, Electric Steam Boiler Sales, Div, Wolf
Co.

STEAM-MIZER, storage water heater and con-densate utilizer, Patterson-Kelley Co., Inc. STEAM-PAK, packaged steam generators, York-

Shipley. Inc.
STEAMTITE, Bexible metal connector for laundry and pressing machines, American Brass Co.,
American Metal Hose Div.
STEELCOTE, paint varnishes, waterproofing,
Steelcote Mfg. Co.

STEELCURB, laundry extractor, W. H. Nicholson

STEELE BIN, shirt carrier, J. W. Steele & Co. STEELE CLIDER IRON, electric iron, J. W. STEELELOX, self-locking shirt band, J. W. Steele

& Co. STEEM, neutral lubricant for steam spotting, Caled Products Co., Inc.

STEEM-ATIC, vertical water tube boiler, Kisco Boiler & Engineering Co.
STEEM-MIST, new reclaimer, Hoyt Mig. Corp.

STEIN, add-a-section finishers' tables, Lawrence

STEIN, add-a-section finishers' tables, Lawrence M. Stein Co.

M. Stein Co.

STEIN, cuff tacker, Stein Specialty Co.

STEINER, paper towels, soap dispensers, tollet soap, Steiner Sales Co.

STEILLAR, filter, Infilco, Inc.

STEMALLOY, patented silicon bronze alloy, Lunkenheimer Co.

STERICLEAN, moth repellent sour, Johnson Chemicals Industries, Inc.

STERILLOW, labels for pillows, R. Lally Co.

STERILOW, labels for pillows, R. Lally Co.

STERILOG, pumps, traps, controls, regulators, Sterling, Inc.

STERILING, solvent conditioner, Sterling Air Conditioning Corp.

STERLING, steam traps, Sterling Engineering & Mig. Corp.

STERILING, steam traps, Sterling Engineering & Mig. Corp.

STERILING, salt, salt tablets, dispensers, International Salt Co.

STEVEDORE, JR., conveyor, Rapids-Standard Co. Inc.

Co., Inc.
STEVENSON, automatic counting machine,

STEVENSON, automatic counting machine, Stevenson Co.

STEWART-WARNER, instruments, Stewart-Warner Corp., Alemite Corp., STEWART-WARNER, instruments, Stewart-Warner Corp., Leenite Corp., STIK-TITE, belt cement, Milwaukee Leather Belting Co.

STILLSON-GENUINE, wrench, Walworth Co.

STOL, drycleaning solvent, Anderson-Prichard Oil Corp.

STON-Brackage boiler, built-in return system, Stone Boiler Equipment Corp.

STONER STEMASTER, vault-conditioning equipment, Walter Haertel Co.

STONEU-VEYOR, automatic call-office conveyor, garments, White Machine Co., Inc.

STOYER, water softeners, pressure filters, Stover Water Softener Co.

STOWES TOKERS, industrial stokers, Johnson & Jennings Co.

THATE: receial drycleaning detergent, Spix

& Jennings Co.

STRATE, special drycleaning detergent, Spix.

Products Co.

STREAMLINE, chest-type flatwork ironer, American Laundry Machinery Co.

STREAMLINED LABELORS, chine Better Packages, Inc.

STREAMLINER, continuous towel cabines.

Steiner Sales Co.

STEAMTITE, flexible metallic laundry machine connectors. American Brass Co., American Metal

connectors, American Brass Co., American Metal

STREEPENE, stripper, R. R. Street & Co., Inc.
STREET, automatic conductivity control unit,
R. R. Street & Co., Inc.
STRESTI, automatic conductivity control unit,
R. R. Street & Co., Inc.
STRESTITE, solid bronze machine parts, Amples
Div., Chrysler Corp.
STRETCH-ALL, garment stretchers, tie forms,
aleeve finishing boards, aleeve forma, Jack
Hodges Specialty Co.
STRIDE, paint, oil and grease remover, Lustrol
Drycleaning Froducts, Div. Patek & Co.
STRIKE'S, bydraulic extractor, Strike's Laundry
Machinery, Inc.

Machinery, Inc.
STRIPALENE-O stripper, Keystone Aniline &
Chemical Co., Inc.
STRIP-D-LUX, stripping agent, Warco Labora-

tories STRIPEX, strippers, Package Chemical Co., Inc. STRIP INK, ink remover, Slater-Robbins Co., Inc. STRIPMASTER, wire strippers, Ideal Industries.

STRIPP, powdered stripper and bleach, G & G Chemical Co.
STRIPPABLE COATING, solvent and emulsion types, The Peters Co., Div. Toledo Paint & Chemical Co.

STRIPPET, strippers, Package Chemical Co., Inc. STRIPPIT, stain remover, stripper, Kliegman

STRIPPOLYTE, dye remover, Slater-Robbins Co.

Inc.
STRIP-STICK, stripper, National Cleaners Chemical Mfg. Co.
STRIPTEX, powdered stripper, Hood Chemical Co., Inc., Crescent Div.
STROMEERG, time clocks, Stromberg Time Cosp.
STRONG, steam specialties, Strong, Carlisle & Hammond Div.
STRONG-WAL, pliofilm and paper combination bags, Comet Envelope & Paper Co., Inc.
STURDI-BILT, metal laundry washer, Jensen Mfg. Co.

Mfg. Co.
STYLOGRAMS, simulated paper bandkerchief printed with sales message, Nashua Corp., Sure-

STYLOGRAMS, SIMULATED PRINTED TO THE PRINTED PRINTED TO THE PRINTED PR

Co., Inc. SUEDECARE, leather cleaning process, Suede-

SUEDE KING, leather and suede cleaning method, Suede King SUIAP, accounts receivable system, Remington Rand, Inc. SUITANDRESS, hangers, Cleaners Hanger Co. SULFACO, soupless wetcleaner, R. R. Street &

SULFONITE, reducing agent, E. I. du Pont de Nemours & Co. SULFOSUDS, soapless soap, Merson Products Co.

SULFSTAD, synthetic detergent, Stadham Co., Inc.
SULPHOGEN, spotting compound, Riverside Mfg.

SULPHOTEX, detergent, soaps, Keystone Aniline & Chemical Co., Inc.
SULVA, soapless wet cleaner, G & G Chemical

Co.
SUN, paste filter soap, Adco, Inc.
SUNBEAM, automatic clothes-lifting basket liner,
Cleaners Specialties Supplies Co.
SUNBEAM, blue, Speare Co.
SUN-PROOF, paint, Pittsburgh Plate Glass Co.
Paint Div.

SUNSET, blueing and color remover, stripper, North American Dye Corp. SUNSET COLORAMA, fabric powder dye, North

American Dyc Corp.

SUNSET DYTINT, dye for use in washing machines, North American Dye Corp.

SUNSET DYWHITE, bluing with whitener for use in washing machines, North American Dye Corp. Corp.
SUPER, laundry machinery, Super Laundry Ma-chinery Co., Div. St. Joe Machines, Inc.
SUPER, shirt sorting bin on casters, Time Savers,

Process Div., Allied Chemical & Dye Corp.

SUPER ALKALI 60, alkali compound, Solvay
Process Div., Allied Chemical & Dye Corp.

SUPER AVACON, charge drycleaning soap, Allen

SUPERBELT, leather belting, Philadelphia Belt-

SUPERBELL, reating benings, americans ing Co.
SUPERBILD, soap builder, Solvay Process Div.,
Allied Chemical & Dye Corp.
SUPER C, non-ionic soap for dry charge systems,
Caled Products Co., inc.
SUPER CHIEF, truck tires, tire repair material,
Mohawk Rubber Co.
SUPERCHLOR, bleach, Patterson Laboratories,
Inc.

Inc.
SUPER-CLEAR, rust-removing sour, Johnson
Chemical Industries, Inc.
SUPER DESOIL one-shot linen supply detergent,
Cowles Chemical Co.
SUPER DETERGENT, detergent-type drycleaning
soap, National Cleaners Chemical Mig. Co.
SUPER DRY-O-MATIC, signal and alarm control
for tumblers, Rosenthal Mig. Co.
SUPER-ELCONITE, high-capacity greensand reolite. Eigin Softener Corp.
SUPER EXSUE-T, desizing agent for removal of
starch-base sizes, Palst Brewing Co., Industrial
Products Div.

SUPER FAST, solvent recovery unit. Hoyt Mig.

Corp.
SUPERFINE, laundry starch, Washine Chemical SUPER FURNAS-CRETE, castable refractory.

SUPER FURNAS-CRETE, castable refractory, Mexico Refractories Co. SUPERGUACE, gauges U. S. Gauge Div., American Machine & Metals, Inc.
SUPER-HILO, powder, built soda soap, Armour & Co., Industrial Soap Dept.
SUPER-HILOSET, temperature bonding mortar, Mexico Refractories Co.
SUPER ILLUMINATORS, incandescent lighting equipment, Edwin F. Gutts Co.
SUPER-JET, built soap, and nonionic synthetic, Armour & Co., Industrial Soap Dept.
SUPERIOR, crush-proof sorting books, lint traps, V & W Equipment Co.
SUPERIOR nylon laundry nets and dacron nets, Fablok Mills, Inc.
SUPERIOR, marking machines, Textile Machinery Co., Inc.
SUPERIOR, press pads, Superior Pad Co.
SUPERIOR, rug cleaning machinery and sorting to the control of Co., Inc.
SUPERIOR, rug cleaning machinery and sorting the control of Co., Inc.
SUPERIOR, rug cleaning machinery and sorting the control of Co., Inc.
SUPERIOR, rug cleaning machinery and sorting the control of Co., Inc.

Co., Inc.
SUPERIOR, rug cleaning machinery and accessories, Superior Rug Machinery Co.
SUPERIOR, scotch marine boilers, Superior Boiler
& Supply Co.
SUPERIOR, steam generators, Superior Combustion Industries, Inc.

tion Industries. Inc. SUPERKLEEN, laundry alkali, Washine Chemical Corp.
SUPER-MATIC, boilers, Eclipse Fuel Engineering

Co. SUPERMATIC, doors, overhead and electric, National Pneumatic Co., Inc.
SUPER-MERCURY, extractors, Troy Laundry Machinery Div., American Machine & Metals,

SUPER-MIRZA, automatic rug cleaning machine, American Laundry Machinery Co. SUPER MONO-FIBRIK, plastic firebrick, Mexico SUPER MULTIFLEX, calcium carbonate, Dia-mond Alkali Co.

SUPER ORTH, anhydrous orthosilicate, Washine

Chemical Corp.
SUPERPACKING, leather packings, Philadelphia
Belting Co. SUPER-PLASTIC, refractory materials, A. P. Green Fire Brick Co.
SUPER PURGO, soap builder, Minnesota Chemi-

SUPER 7C, drycleaning unit, Prosperity Co., Div., Ward Industries Corp. SUPER SHEEN, alkali cleanser, Solvay Process Div., Allied Chemical & Dye Corp. SUPERSILICATE, detergent, Diamond Alkali Co. nd Alkali Co.

SUPER SILVERTOP, inverted bucket steam trap, V. D. Anderson Co., Div., International Basic Economy Corp.
SUPER-SOL, prespotter, National Cleaners Chemical Mig. Co.
SUPER-SOLTEX, drycleaning detergent, Riverside Mig. Co.
SUPER-SOLV, upholstery drycleaner, Coastal Chemical Corp.

SUPER-SOLV, upholstery drycleaner, Coastal Chemical Corp.

SUPERSOUR, highly soluble laundry sour, Speedlite Chemicals Co., Div. Patek & Co.

SUPER-SPEED, drycleaning tumbler, American
Cleaners Equipment Co., Div. American Laundry Machinery Co.

SUPER SPOTTER, all-purpose spotter, Lustrol
Drycleaning Products, Div. Patek & Co.

SUPER STEEL, pins, safety pins, William Prym,
Inc.

SUPER STOD-SOL, cleaners' naphtha, Anderson-

SUPER STOD-SOL, cleaners' naphtha, Anderson-Prichard Oil Corp.
SUPER STLON, flatwork ironer, American Laundry Machinery Co.
SUPER-TEX, detergent, Nu-Pro Mfg. Co.
SUPER-TEX, detergent, Nu-Pro Mfg. Co.
SUPER-VAC, rug vacuuming machine, American Laundry Machinery Co.
SUPER K. break powder, Speare Co.
SUPER-ZARMO, air-driven laundry presses,
American Laundry Machinery Co.
SUPER-ZARMOETE, air-driven laundry presses,
American Laundry Machinery Co.
SUPER-ZORIC, drycleaning unit, American
Cleaners Equipment Co., Div. American Laundry Machinery Co.
SUPER-Korlic, drycleaning unit, American
Cleaners Equipment Co., Div. American Laundry Machinery Co.
SUPER-REME, laundry starch, Clinton Foods, Inc.
SUPREME, water softeners and filters, Bruner
COrp.
SUPEREME, water softeners and filters, Bruner
SUPREME, meopreme belting, Victor Balata &

Corp.
SUPRENE, neoprene belting, Victor Balata &
Textile Belting Co.
SUR-DRIVE KIT, feed ribbon kit, Zeidler Mfg. SURE-FLO, ironer wax, Johnson Chemical In-

SURE-FLUE, Inc.
SURE-GRIP, roll covers, F. W. I., R. Lally Co.
SURE-HOLD, paper specialties, wrappers, shirt
bands, Nashua Corp.
SURELOC, aluminum collar and culf fasteners,
Sureloc Paper Clip Co.
SURE-RETURN, condensation pumps, Chicago

Pump Co. SURE-RINSE, rinsing aid, Johnson Chemical In-

dustries, Inc.
SURFCO SHIELD, allicone type colorless water
repellent, Surface Protection Corp.
SURFEX, calcium carbonate, Diamond Alkali Co.
SURFEX MM, calcium carbonate, Diamond Alkali SUSPENSOIL, calcium carbonate, Diamond Alkali

SUSSMAN, steam fron, Automatic Steam Prod-

ucts Corp.

SUZIE-Q, garment finisher and fabric conditioner,
Excelsior Machinery Co.

SWAGELOK, reducer fitting for tubing, Crawford fitting Co.

SWANE, cover duck, Minnesots Chemical Co.

SWANSDOWN, calcium carbonate, Diamond Alkali Co.

SWEDA, registers, cash and control, Sweda Cash

SWEDA, registera, cash and control, Sweda Cash Register, Inc.

SWEETHEART, franchised home linen rental nervice, advertising materials, Linen Suppliers Advertising Corp.

SWIFT, soaps, Swift & Co., Industrial Soap Dept. SWIFT, soaps, Swift & Co., Industrial Soap Dept. SWINGLINE, stapling devices, Swingline, Inc. SWINGLINE, stapling devices, Swingline, Inc. SWIVELOADER, box or car loaders, Stephens-Adamson Mig. Co.

SWIV-O-HOOK, hangers, Garment Hanger Co.

SYLON, chest-type flatwork ironer, American Laundry Machinery Co.

SYLVANIA, cellophane, Sylvania Div., American Viscous Corp. Viscose Corp.

SYNCHRO-METER, electric telemeter, Bailey

SYNCHRO-VALVE, diaphragm control valve,

Revesto C. SYNCET, single-bath synthetic solvent drycleaning unit, American Cleaners Equipment Co., Div. American Laundry Machinery Co. SYNDEET, insecticide, U. S. Rubber Co. SYNDET, synthetic detergent, West Side Corp. SYNFLEX, outside and interior enamel, Midland Paint & Varnish Co. SYN-KLEEN, synthetic detergent, G. S. Robins & Co.

& Co. SYNSO, synthetic drycleaning soap, Nu-Pro Mfg. SYNOTEK, detergent emulsifier, Dixo Co. SYNSUDS, soap, H. Kohnstumm & Co., Inc. SYN-SUDS, synthetic detergent, G. S. Robins &

Co.
SYNSUDS, synthetic soap powder, Trico Chemical
Div., Tri-State Equipment Co.
SYNTER-R, rule shampoo cone. for mfg. purposes, Tower Chemicals, Inc.

SYNTHE-CLEAN, rug shampoo, Multi-Clean Products, Inc.
SYNTHEEL, liquid filter scap, National Cleaners
Chemical Mfg. Co.

SYNTHESOL-100, drycleaning soap for synthetic solvent, Patek & Co.
SYNTHITE, zeolite, Hungerford & Terry, Inc. SYNTHO, soap for chlorinated solvents, National Cleaners Chemical Mfg. Co. SYNTH-O-SAVER, solvent recovery unit, Detrex Chemical Industries, Inc. SYNTHO SUDS, synthetic soap chips, West Side

SYNTOMAT, combination washer extractor-synthetic solvent, Washex Machinery Corp.
SY PENETRANT, drycleaning detergent, Merson

T

TDL, high-pressure boiler, Titusville Iron Works Co., Div. Struther Wells Corp. T & L COMPOUND, stain-removing laundry break, Speedlite Chemicals Co., Div. Patek &

Co.

T.S.R. SET, composite 3 bottle set for removal of tannin, Warco Laboratories

TABASCO, water heaters, Kewanee Boiler Corp.

TACO, heaters, condensers, hot-water systems,

Taco Heaters, Inc.

TAD, insecticides, deodorants, Tad Chemical Co.,

Div. Arme Industrial Compounds Corp.

TAD, tags, Boston Clip & Tag Co.

TAG-A-DAY, laundry marking tags and pins,

Boston Clip & Tag Co.

TAGGER, sewing machine for tagging, Chandler

Machine Co.

TAG-O-LETRIC, automatic marking machines, identification systems, Textile Marking Machine

Co., Inc.
TAG-O-MATIC, tag marking and marking machine, Textile Marking Machine Co., Inc.
TAGVOICES, combination invoices and tags, Stry-

Lenkoff Co. traching machine, National Marking Machine Co.
TAGZON, tag attaching machine, National Marking Machine Co.
TAHARA, silver burnishing machine, American Laundry Machinery Co.
TAHOE, laundry blue, Patek & Co.
TAHOE, laundry blue, Patek & Co.
TALLOR-MADE, pre-fabricated speed rails, Speed Check Co.

TAILOR-MADE, pre-fabricated speed raus, open-Check Co.

TAKALAB TLM, concentrated enzymic digestant,
R. R. Street & Co., Inc.

TA-KARA-HUKS, drycleaning specialty for cleaning drapes, with hooks, attached, Take-Care
Mix. Laboratory, Inc.

TAKIMERSE, desizing agent, R. R. Street & Co.,

Inc.
TALLY, hand counter, Denominator Co., Inc.
TAN-AN-INK, ink remover, Package Chemical

Co. Inc.

TANSOL, tannin strain remover, Greenville Chemical Co.

TAN-X, semi-wet stain remover, National Cleaners Chemical Mfg. Co.

TARBONIS, protective skin cream, Tarbonis Co.

TARBOO, dry or wet spotter, A. L. Wilson Chemical Co.

cal Co. TASCO, alkali (soap builder), Lewis National

TASCO, alkali (soap builder), Lewis National Corp.
TASCO TINT, blue, Lewis National Corp.
TAUBMAN, marking pen for laundries and drycleaners, Samuel Taubman & Co.
TAYLOR, stokers, American Engineering Co.
TECHNICLEAN, drycleaning soap, Fry Bros. Co.
TEJAX, valve indicator, indicating handwheels,
Tejax Engineering Corp.
TEKO, liquid detergent, Wyandotte Chemical
Corp., J. B. Ford Div,
TELE-VUE, cellophane shirt and garment bags,
Tele-Vue Packaging Products, Inc.
TELL BOARD, bulletin board, Mine Safety Appliances Co.

pliances Co.
TELLEVEL, bin level control switches, Stephens-Adamson Mfg. Co.
TEL-U-VISION, transparent garment bags, Mehl

Mfg. Co. TEMCON, flatwork ironer, American Laundry

Machinery Co.
TEMPLETON, steam traps, Sterling Engineering

TEMPLETON, steam traps, Sterling Engineering & Mfg. Corp.
TEN-MINIT, bleach, Warco Laboratories 10 & 20, shirt bins, Time Savers, Inc.
TEN STRIKE, match book, Universal Match Corp.
TERGESSOL, paint and grease remover, SlaterRobins Co., Inc.
TERGIT, spotting compound, Riverside Mfg. Co.
TERG, strong soap, Huntington Laboratories, Inc.
TER-TEX, drycleaning concentrate, Spix Products
Co.

TEK-TEX, drycleaning concentrate, Spix Products Co.
TETRA-NOVAL, wetcleaning soap, Keystone Aniline & Chemical Co., Inc.
TETRAPOL, spot washing, tar removal, General Dyestuff Corp.
TETRA-SAN, liquid detergent, Huntington Laboratories, Inc.
TEX-ALL, rug cleaner, Certified Chemical & Equipment Co.
TEXAS STOD-SOL, drycleaning naphtha, Anderson-Prichard Oil Corp.
TEX-IT, upholstery cleaner, Certified Chemical & Equipment Co.
TEXIZE, sixing preparation, Package Chemical Co., Inc.
TEXOLITE, all purpose spotter, Coastal Chemical Corp.

Corp.
TEXSCOUR, low-titer neutral red-oil soap flakes,
Armour & Co., industrial Soap Div.
TEXSOL, drycleaning detergent, Riverside Mfg.

TEXTAG, drycleaners identification system, Speed Check Co., Inc. TEXTITE, industrial detergent, H. Kohnstamm & Inc

TEXTO, glazed thread, Fleischer Mills, Inc.
TEXTURE-SAN, sizing compound, Huntington
Laboratories, Inc.

THANITE, insecticide concentrate, Hercules Pow-

THANITE, insecticide concentrate, Hercules rowder Co.
THERMALITE, 1000° F.F. high heat aluminum
vaint. Tropical Paint & Oil Co.
THERMATIC, flatwork ironer, American Laundry
Machinery Co.
THERMOCON, solvent temperature control, MarMak Machinery Mig. Co.
THERMO-HUMIDIGRAPH, combination temperature and humidity recorder, Bristol Co.
THERMO-HUMIDIGRAPH, combination temperature and humidity recorder, Bristol Co.
THERMODYAMIC, steam trap, Sarco Co., Inc.
THERMO-SEAL, identification machine, Textile
Marking Machine Co., Inc.
THERMO-SET, thermo-setting ink setter, National
Marking Machine Co.
THERMOTEX, press covers, H. Kohnstamm & Co.,
Inc.

THERMOTEX, press covers, H. Kohnstamm & Co., Inc.
THERMOTEX, "S" heat-resistant cover cloth, H. Kohnstamm & Co., Inc.
THERMOTROL, radiator control, Sterling, Inc.
THERMO-VENTO, drying tumbler, American Laundry Machinery Co.
T-32, guntacker, Arrow Fastener Co.
THOMAS, aluminum display holders, Mulholland-Harper Co.
THOR, intermediate quality, stiff mud firebrick, Mexico Refractories Co.
THORAL, rug shampoo, Turco Products, Inc.
THREAD-TITE, anti-seize compound (stick form), pipe thread lubricant, Armite Laboratories
3-B DYNAMITE, soap, Rome Soap Mfg. Co.
3-DIMENSIONAL, press covers, F. H. Bonn Co.
3-STAR, leather and waterproof leather belting, Co.
32, beatonite product, Wyandotte Chemicals Corp.,
J. B. Ford Div.
3025C, nylon cover cloths, Whitehouse Nylon Products
300, extractors, Western Laundry Machinery Co.
328 ironer coll lobn. P. Lynch C.

Products
300, extractors, Western Laundry Machinery Co.
328. ironer oil, John P. Lynch Co.
3800 SERIES, payroll and job time recorder, Lathem Time Recorder Co.
THRIFTEX, drycleaning soap, detergent and emulsifier, Pennsalt Chemicals Corp.
THRIFTIES, collar supports, M. H. Gronauer Co.
THUR-O, rug cleaning compound, Diamond Chemical Co.
THUR-O-COLOR, cold water rug dyes, Diamond Chemical Co.

THY-MO-TROL, electronic motor control, General

THY-MO-TROL, electronic motor control, General Electric Co.
TI-BAG, cover for Ti-Rak, Para-Lux Products Co.
TIBRODE, cotton flannel padding and nets,
Tingue, Brown & Co.
TICKETAG, drycleaning identification system,
"TI" TicketTag Corp.
TICOSTEAM, packaged steam generator, Titusville Iron Works Co., Div. Struther Wells Corp.
TICOTHERM, high-pressure boiler, Titus-Ville
Iron Works Co., Div. Struther Wells Corp.
TIE-PAK, tie racks and bags, Phoenix Products
Co.

Co.
TIGER, grease cups, Lunkenheimer Co.
TIGER, paste-type detergent, Adco, Inc.
TILTOR, shirt unit and shirt presses, American
Laundry Machinery Co.
TILT-RIGHT, container stand for 5 gallon bottles
and drums, Faul O, Young Co.
TIME-O-MATIC, timers for extractors, Rosenthal
Mfg. Co.

TIME-O-MATIC, timers for extractors, Rosenthal Mfg. Co.

TIME SAVERS, garment racks, trouser guards, shirt envelopes, Time Savers, Inc.

TIMKEN, roller bearings, tubings, Timken Roller Rearing Co.

TINDECK, double-face padding and nets, Tingue, Brown & Co.

TINGUNIT, nylon nets, Tingue, Brown & Co.

TINTEX, dye and dye remover, Park & Tilford TI-RAK, necktie hanger, Para-Lux Products Co.

TITANIUM &, color stripper, Eaton Chemical & Dvestuff Co.

Dyestuff Co.
TOKEN-TAGS, instruction tags, Pre-Marked Strip

Tag Co.
TOLEDO, scales, Toledo Scale Co.
TOLEDO, industrial finishes, Peters Co., Div.
Toledo Paint & Chemical Co.
TONRAC, refrigerating machines, American
Blower Corp., Div. American-Standard
TOPAZ, high-titer built soap chips, Armour & Co.,
Industrial Soap Dept.
TOPMASTER, dual pants topper, Excelsior Enterprises. Inc.

TOPMASTER, dual pants topper, Excelsior Enterprises, Inc.
TOPPER-MATIC, steam air trouser topper finishing machine, P. & H. Industries, Inc.
TOPS, drycleaning detergent, Na-Pro Mfg. Co.
TOPS-ALL, prespotter, Warco Laboratories
TOPSLIP, press covers, Toptex Corp.
TOPSPUN, press covers, Toptex Corp.
TOPTAFE, flat work ironer tape, Toptex Corp.
TOPTAFE, flat work ironer tape, Toptex Corp.
TORK, time switches, Tork Jock Co., Inc.
TORNADO, blowers, industrial vacuum cleaners, floor machines, Breuer Electric Mfg. Co.
TORRIDOR, blower unit heater, Trane Co.
TOUCH UP, spotting aid, John P. Lynch Co.

TRACTAIR, compressor, Le Roi Div., Westing-house Air Brake Co.
TRAN-CEL-SEAL, cellulose tape, Gummed Tape & Devices Co.
TRANSCOPY DUPLEX, contact printer, photo-graphic, Remington Hand, Inc.
TRANS-O-MUCK, solvent sludge reclaimer, Vic

raphic Remington Band, Inc.
TRANS-O-MUCK, solvent sludge reclaimer, Vie
Manufacturing Co.
TRANS-VOR. horizontal belt conveyor, Mechanical Handling Systems, Inc.
TRAVAGRATE, continuous ash discharge spreader
stoker, Erie City Iron Works
TREAD-EASE, resilient sponge rubber runner
matting, American Floor Products Co.
TREET-O-BUST, constant rate proportioning
pump, Proportioneers, Inc.
TREMS-URL Deach, Tremm Chemical Corp.
TREMS-URLD, pipe and tubing, Trent Tube Co.
TRENTWELD, stainless and high alloy pipe and
tubing, Crucible Steel Co. of America
TRI, fur cleaning fluid, Walter Haertel Co.
TRI-CLAD, motors, General Electric Co.
TRI-CLAD, motors, General Electric Co.
TRI-CLAD, motors, General Electric Co.
TRI-CLAD, electrical and lubricating devices, Trico
Fuse Mig. Co.
TRI-State Equipment Co.
TRI-GO.
Volatile valut remover, Patek & Co.

cals Corp.
TRIGON, volatile paint remover. Patek & Co.
TRIK, tannin stain remover, Stamford Chemical

Co.

TRIMESE, enzymic digester. Trico Chemical
Div., Tri-State Equipment Co.
TRIO. alkali compounds, bleach, boiler compound, Trio Chemical Works, Inc.
TRIPLE-A, paints, Quigley Co., Inc.
TRIPLES, 140° F drycleaning units, American
Cleaners Equipment Co., Div. American Laundry Machinery Co.

dry Machinery Co.
TRIPLE-X DRI-SHEEN, detergent. Adco. Inc.
TRISOL, oily stain remover, Eaton Chemical &
Dyestuff.
TRIUMPH, built non-ionic synthetic detergent,
Armour & Co., Industrial Soap Dept.
TRIWAY, fur finishing machine. Walter Haertel

Co.
TRI-X, fumigant, Walter Haertel Co.
TRI-X, fumigant, Walter Haertel Co.
TROJAN, washers, Troy Laundry Machinery Div.,
American Machine & Metals, Inc.
TROPELITE, durable protective coating, Tropical
Paint & Oil Co.
TROPICAL. cleaner for walls, floors, windows,
Tropical Paint & Oil Co.
TROPICAL, nut shells for fur cleaning, Bernard
Sirotts Co.

TROUGH-BELT, belt conveyors, New London TROUSER-FORMER, pants shaper, Bill Glover,

TROUS-GUARD, trouser guard, Para-Lux Prod-

TROUS-CUARD, trouser guard, Fara-Lux Flourist Co.
TROY, laundry machinery, Troy Laundry Machinery Div., American Machine & Metals Inc.
TROY-MERCURY, drycleaning unit, Troy Laundry Machinery Div., American Machine & Metals, Inc.
TROYSAN FMA-30, phenyl mercury acetate (mildewcide), Troy Chemical Co.
TROYSFECIAL replacement collars, Zuckerberg Co.

Co.
TRUCLEAR, drycleaning solvent filter, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
TRUCLEEN, petroleum solvent for drycleaning. American Cleaners Equipment Co., Div. American Laundry Machinery Co.
TRUCLOR, synthetic solvent for drycleaning. American Cleaners Equipment Co., Div. American Laundry Machinery Co.
TRU COLOR, dyeing, Tru Color Dye Works, Inc.
TRUFLER, light duty V-belts, Gates Rubber Co.
TRUFOLD, shirt folding machinee, J. W. Steele & Co.

& Co.
TRUFORM, steam-air garment finisher, American
Cleaners Equipment Co., Div. American Laundry
Machinery Co.
TRUMATIC, flatwork folder, American Laundry
Machinery Co.
TRUME TO TRUE TRUE TO THE CONCENTION OF TRUE AND T

TRUMP, spot remover, Spix Products Co.
TRU-SHEEN, CONCENTRATE, drycleaning detergent, Krasan Products, Inc.
TRU SOAP, true soap liquid. Benda Products, Inc.

Inc.
TRUSTY, gasoline strainers, Lunkenheimer Co.
TRUSTY, gasoline strainers, Lunkenheimer Co.
TRUSTY, fabric conditioner, Adrian Research & Chemical Co.
TTICKE TAG, 4-in-1 combination marking in, receipt, invoice, marking tag, "TP" TickeTag

receipt, invoice, marking tag, 11 liceang Corp.
TUBE-O. trouser guard, Garment Hanger Co.
TUF-BOY, laundry nets, R. Lally Co.
TUFF HIDE, padding, Pittsburgh Waterproof Co.
TUFFLEX. padding, Wood Conversion Co.
TUFFLEX, metal press pads, X. S. Smith. Inc.
TUFFY, heavy duty synthetic detergent, Thompson Chemical Co.
TUFFY, knitted nylon laundry nets, Southern Mills, Inc.
TUMBLETTE, tumblers, Cook Machinery Co., Inc.
TUMBLTROL, tumbler and reclaimer temperature countrol, Minneapolis-Honeywell Regulator Co.
TUMBOLITE, lighting fixture for open-end tumblers, National Marking Machine Co.

TURBO-VAC, single press vacuum system, Pantex Mfg. Co. TURCO, insecticides, germicides, Turco Products,

TUCAY, strainers, Wright-Austin Co.

20th CENTURY, needle bearing, Roller Bearing
Co. of America

20th CENTURY, needle bearing, Roller Bearing
Co. of America
24K, press padding, Jomac, Inc.
24K, press padding, Jomac, Inc.
24C. Laundry starch, Clinton Foods, Inc.
24C. Laundry Machinery Co.
24C. Laundry Machinery Co.
24C. Laundry Machinery Co.
24C. Laundry Machinery Co.
24C. Laundry Machinery tumbler, gas or electric,
Hoyt Mig. Corp.
24C. Laundry Machinery Co.
24C. La

press Co., Inc. TWINPLEX, fur cleaning drum and cage, Walter

TWINPLEX, fur cleaning drum and cage, Walter Haertel Co.
TWIN-PRESS, drycleaning press, Reliable Steam Pressing Machine Service, Inc.
TWIN-RAPID, automatic shirt press, general purpose press, Reliable Steam Pressing Machine revivice, Inc.
TWINTAINER, extractor, Fletcher Works, Inc.
TWINTAINER, extractor, Fletcher Works, Inc.
TWIST-EMS, hanger combiners, Germain's Inc.
TWIST-Ens Div.
TWISTEMS, hanger combiners, H. F. Hanscom & Co.

TWITCHELL, emulsifying bases, Emery Indus-

TWITCHELL, embinifying bases, Emery ancountries, Inc.
249, dve stripper, Patek & Co.
26AV, compressor plant, Westinghouse Air Brake
Co., Industrial Products Div.
209, stain remover, R. R. Street & Co., Inc.
2-IN-ONE, airfoam rubber pad and asbestall
cover, Quality Products Co.
2-IN-1," nylon flammel-cover combination, Zuckerberg Co.
2802 HOSE OF TEFLON, flexible hose, Aeroquip
Corn.

TY-BORDS, forms for pressing neckties, Joe L. Winner TYCO, stick machine cleaner for hot irons, presses, Tyson Sales Co., Inc.
TYPE W, basic washer timing cantrol, American
Laundry Machinery Co.
TY-HOLDERS, tie and belt holders, Time Savers,

TYMIT, timers, Tork Clock Co., Inc.
TY-ON, nylon or cotton press covers, F. H. Bonn Co.
TY-PAX, tie and helt holders, Time Savers, Inc.
TYSON, dry size, Dello Products Co. UNIT WASH, laundry washer-extractor, G. A.

Braun, Inc.
UNIVALVE, valves, Edward Valves, Inc., Subsidiary Rockwell Mfg. Co.
UNIVERSAL, printed book matches, Universal
Match Corp., St. Louis 3, Mo.
UNIVERSAL SPEED-FEED, sales control sys-

UNIVERSAL SPEED-FEED, sales control system, Egy Register Co.
UNIVERSAL STRIPFER, stain remover and tripper H. Echaetamne Co., Inc.
UNLOADING CASCADE, laundry washer, American Laundry Machinery Co.
URBAN, truck bodies, Montpelier Mig. Co.
U-SAN-O, drycleaning, mothproofing with chlorophyll, American Mothproofing Co.
U-SAN-O MOTH-SPRAY, spray mothproofing solution, American Mothproofing Co.
U. S. KOGLON, press pads, sponge, Newhouse Specialty Co., Inc.

Specialty Co., Inc.
U. S. MODEL. 518-2, sewing machine for dry-cleaners, U. S. Blind Stitch Machine Corp.
USE STAINLESS, stainless steel, U. S. Steel Co.
USTEX, wire and cable, U. S. Rubber Co.
UTILITY, specially built truck bodies, Utility
Truck Distributors, Inc.
UTILITY, blue, H. Kohnstamm & Co., Inc.

V-C, feed ribbons, textiles, Virginia-Carolina Laundry Supply Co. LD., spotter, Adco, Inc. V & W, assorting reels, V & W Equipment Co. VACUUMATIC, instantaneous water heater, Al-

van Dyke Silica, silica brick, Mexico Refrac-

tories Co.

VANETTE, truck bodies for use on Ford trucks,
Universal Sales, Inc.

VANGUARD, 72 hour dial watchman's clock,
Lathem Time Recorder Co.

VANITE, liquid detergent, Adco, Inc.

VA-PER, solvent and plant air cooling, Per Corp.

VAPOR-CLARKSON, package type steam generators and hot water beaters, Vapor Heating
Corp.

Corp.
VAPOR JET, professional portable steam electric iron, Vapor Jet Steam Products, Inc.
VARA, combination solvent cooler and heater, gament holders and baggers, sweetener powder dispenser, belt holder, shirt boxer, A. G. Vara & Son, Inc.
VARIDEX, alphabetic filing system, Remington

Rand, Inc. VARIATOR, steam traps, American District Steam

Co., Inc.
VARI-VAC, heating unit, Dunham-Bush, Inc.
VARI-VAC, heating unit, Dunham-Bush, Inc.
VAULTMASTER, fur cleaning and storage equipment, Walter Haertel Co.
VEEDER-ROOT, computing and counting devices, Veeder-Root, Inc.
VEE-LOK, clutch facings, Raybestos-Manhattan

VEE-THREE, paste drycleaning soap, Riverside

Mig. Co. VEGETABLE IVORY, buttons, Eureka Button Co. VEL, detergent, Colgate-Palmolive Co. VELAN UNIVERSAL, steam trap, Velan Engi-

VELICAL UNIVERSIDE STATES STATES AND ACTION OF THE STATES OF THE STATES

dustrial Soap Dept.
VELVET RAINBOW, combination starch, Huron
Milling Div., Hercules Powder Co.
VELVET SHEEN, rubber base wall paint, Tropi-

cal Paint & Oil Co.
VELVET WHEAT, wheat starch, Huron Milling
Div. Hercules Powder Co.
VELVO, wetcleaning soap, Davies-Young Soap

VENTURA, propeller fans, American Blower Corp., Div. American-Standard VENTURA FIN, unit heaters, American Blower Corp., Div. American-Standard VERSABAR, structural system for racks and pipe supports, M-H Standard Co. VERSI, laundry and wetcleaning textile finishing compound, John T. Stanley Go., Inc. VERTEX, low-titer soap flakes, laundry, wetcleaning, rug and carpet, Swift & Co., Industrial Soap URBER.

VIBRA MOVER, fur cleaning table-vented, Walter

Haertel Co. VIBRA-SORBER, pipeline vibration absorber. Flexonics Corp.
VIC, drycleaning machinery, Vic Manufacturing

Co.
VICTOR, drill rod, Crucible Steel Co. of America
VICTOR, wheat starch, Keever Starch Co.
VICTOR, balata belting, Victor Balata & Textile
Belting Co.
VICTOR, adding machines, calculators (printing),
Victor Adding Machine Co.
VICTOR-McCASKEY, cash register, Victor Adding Machine Co.

ing Machine Co.
VICTORY, blue, Minnesota Chemical Co.
VICTORY, drycleaning soaps, Patek & Co.

VICTORY, fur cleaning fluid, Bernard Sirotta Co. VICTORY, laundry marking tags, Tagit Co. VICTL, TYPE D, diaper anticeptic and decolorant, Patek & Co., inc. VICIL, TYPE L, mildew preventative, Patek &

VIKE, pipe joint compound, Keystone Lubricating

Co.
VIKING, intermediate quality, dry press firebrick, Mexico Refractories Co.
VIKING RE-NU-IT, drycleaners pumps, Viking Pump Co.
VIKING RE-NU-IT, drycleaners pumps, Viking Pump Co.
VIKING, suds, Los Angeles Soap Co.
VIKING, suds, Los Angeles Soap Co.
VIK, steam engines, Ames Iron Works
VIRGINIA GREENSTONE, non-skid floor surfacing material, soaking and rinsing tubs, wet-deading tables, Virginia Greenstone Co., Inc.
VIS-ALL FILE, call office control file, Willco Sales Co.
VISCOR, filter, Weston Electrical Instrument Corp.

VISCOR, BREEF, VISCORD COPE, CO. VITEA, drycleaning soaps, Patek & Co. VIVIDOL, LT., drycleaning detergent, Stamford Chemical Co. VIVIDOL SF, drycleaning detergent, Stamford Chemical Co. VIVIGLO, solvent soluble brightener, Stamford Chemical Co. Stamford Chemical Co. Stamford Chemical Co. Stamford Chemical Co. Stamford Co. Stamford Chemical Co. Stamford Chemical Co. Stamford Co. Stamford Chemical Chemical Co. Stamford Chemical Chemic

Chemical Co.

VIVIPRESS, finishing compound, steam treating chemical, Stamford Chemical Co.

VIVISIZE, water white solvent soluble sizing. Stamford Chemical Co.

VIVITEX 100 PLUS, water repellent, Stamford Chemical Co.

Chemical Co.
VIVITEX G, water repellent, Stamford Chemical

VIVITEX G, water repellent, Stamford Chemical Co.
VIVITROL, moisture control instrument, Stamford Chemical Co.
VOKES, air cleaners, filters, separators, strainers, Drico Industrial Corp.
VOL, spotting agent, Stamford Chemical Co.
VOLTEX, spotting agent, Spir Products Co.
VOLTEX, spotting agent, Spir Products Co.
VOLTUMETER, flow-responsive proportioning pump, Proportioneers, Inc.
VORCLAY, beatonite clay, American Colloid Co.
VORCLAY, beatonite clay, American Colloid Co.
VORCLONE, extractors, tumbler, U. S. Hoffman Machinery Corp.
VS DRIVE, all-electric adjustable speed drive for a.c. circuits, Reliance Electric & Engineering Co.
VULCAN, cover cloth, Pittsburgh Waterproof Co.
VULCAN, stokers, Canton Stoker Corp.
VULCONOUNT, sheaves, Gates Rubber Co.

W

W.C., water carrier, Benda Products, Inc. W.D.P., wet or dry prespotter, Warco Laboratories W-L., drycleaning detergents, Caled Products Co.,

W-L., drycleaning detergents, Cated Frouncis Co., Inc.
W. P. R., wet and dry paint remover, National Cleaners Chemical Mfg. Co.
W & D. gas & oil fired boilers, Williams & Davis Boiler & Welding Co., Inc.
WACO, disphragm fluid pump, Perry Company WALCO, pipe wrench, Walworth Co.
WALLHIDE, paint, Pittsburgh Plate Glass Co., Paint Div.

Paint Div. WALSEAL, threadless bronze fitting, Walworth WALWORTH, valves and pipe fittings, Walworth

Co.

WARRIOR, tire rebuilding and repair material,
Mohawk Rubber Co.

WASCATOR, small open end washers, laundry,
Pinnacle Products Corp.

WASH-A-WAY, washer, Cook Machinery Co.,
Live

Inc.
WASHETTE, open end laundry washer, Cook
Machinery Co., Inc.
WASHEX, combination drycleaning washer-extractor, Washex Machinery Corp.
WASHEX TUBE FILTERS, solvent filter, Washex

Machinery Corp.

WASHINE, bleach (sodium hypochlorite), Washine Chemical Corp. ine Chemical Corp.
WASHINITE, detergent, Washine Chemical Corp.
WASHMASTER, 25 and 50# automatic washer,

Forse Corp.
WASHMOR, nylon laundry nets, Tingue, Brown WASHOIL, oil treatment for linens, Hutchinson

Products Co.

WASHOMETER, washing machine recorder,
Huebsch Originators, Div. American Laundry
Machinery Co. MACHITENDER, washer controls, Troy Laundry Machinery Div., American Machine & Metals,

Machinery Div., American Backers Machinery Linc.

WASHTEX, overall compound, Thompson-Hayward Chemical Co.

WASH-WHIRL, washer-extractor, combination laundry, Henrici Laundry Machinery Co.

WATCH-DOG, water meters, Worthington Pump & Machinery Copp.

WATCOCELL, asbestos pipe covering, blocks, Ruberoid Co.

WATER KING, small water supply pump, Peerless Pump Div., Food Machinery & Chemical Corp.

U

UCON, tumblers, drycleaning units, W. H. Nicholson & Co.
U-DOR-A, perspiration remover, Nu-Pro Mfg. Co.
ULTRA-LITE, sour, Keever Starch Co.
ULTRAMATIC, automatic zeolite water softener,
Elgin Softener Corp.
ULTRAMATIC, fully automatic air-operated drycleaning press, New York Pressing Machinery
Corp. Corp.
ULTRA-SOL, soap builder, Thompson-Hayward
Chemical Co. Chemical Co.

ULTRA-SPEED, laundry drying tumbler, American Laundry Machinery Co.

ULTRA-WITE, fluorescent compound, whitener,

H. Kohnstamm & Co., Inc.

U-MASTER, air operated laundry press, Forse Corp.
UNAFLOW, steam engines, Ames Iron Works
UNDER-TOW-ER, industrial conveyors, Larse UNDERWOOD ELLIOTT FISHER, accounting INDÉRWOOD ELLIOTT FISHEII, accounting machines, Underwood Corp.
UNDERWOOD SAMAS, punched card accounting machines, Underwood Corp.
UNDERWOOD SUNDSTRAND, adding and accounting machines, Underwood Corp.
UNIFLO, drycleaning washer, Western Laundry Machinery Co.
UNIFLOW, water softeners and conditioners, mechanical filters, water supply pumps, Uniflow Mrg. Co.

mechanical inters, water supply paints, Un-flow Mig. Co.
UNIFOAM C, reg and upholstery cleaning deter-gents, Fumol Corp.
UNILITE, zeolite water softener, Uniflow Mig.

UNILITE, zeolite water softener, Unifiow Mfg.
Co.
UNI-MAC, MODEL 100, heavy duty combination
washer-extractor, Uni-Mac Co.
UNI-MAC TWIN, 202 and 400, washer-extractor
rinse unit, Uni-Mac Co.
UNIPRESS, air-driven laundry presses, sleevers,
sport shirt units, Unipress Co., Inc.
UNISOL, emulsifiers, oils and soaps, Universal
Solvent Co.
UNITED, laundry cart, U. S. Steel & Wire Co.
UNITED, washable uniforms, United Cotton
Goods Co., Inc.
UNITHERM, unit heaters, Clarage Fan Co.
UNITHERM, unit heaters, Clarage Fan Co.
UNITED, The Combination of the Cotton
Co. A. Braun, Inc.
UNITHERM, unit heaters, Clarage Fan Co.

WATERPROOFON PRK, water repellent, Apex WATERPROOFON PRK, water repellent, Apex Chemical Co., Inc.
WATERSFAR, polishing wax, Pittsburgh Plate Glass Co., Paint Div.
WATERWAY, laundry combination washer-extractor, Pantex Mig. Co.
WATTS, valves and pneumatic products, Watts Regulator Co.
WAYNE, air compressors, pneumatic and hydraulic hoists, hose reels, Wayne Pump Co.
WEARTEX, solid woven belting, Victor Balata & Textile Belting Co.
WEATHER-MAKERS, air conditioning, Carrier Corp. WEATHER-MASTERS, air conditioning, Carrier

Corp.
WEATHER-PRUF, water repellent, Lustrol Drycleaning Products, Div. Fatek & Co.
Lustrol Drycleaning Products, Div. Fatek & Co.
WEBCO-RAY, packaged boilers, Western Boiler Co.

Co.
WEE-SCOT, high-pressure boiler, Titusville Iron
Works Co., Div. Struther Wells Corp.
WEIGHT-O-GRAPH 77, automatic scale attachment for beam scales, Howe Scale Co.
WELDMASTER, platform, Lewis-Shepard Products Inc. ucts, Inc. WELPCO, steam valves, discs, Western Laundry

Press Co.

WERKRITE, neutral tallow flakes, powder, Allen
B. Wrisley Co.

WERK'S COLDWATER, built red-oil soap, Allen

WERK'S COLDWATER, built red-oil soap, Allen B. Wrisley Co. WESCLENE, liquid break, West Side Corp. WESCO, dry spotter, prespotter, West Side Corp. WESOFORM, stain remover, West Side Corp. WEST COAST, extractors, washers, curtain stretchers, West Coast Laundry Machinery Co. WESTERN, laundry and drycleaning tumblers, washers and extractors, Western Laundry Ma-chinery Co. WESTERN, deep well turbine pumps, deep well turbine pressure systems, Western Pump Co., Ltd.

WESTERN, boilers and steam generators, Western

Boiler Co.
WESTERN EAGLE, laundry and drycleaning combination washer-extractors. Western Laundry Machinery Co.
WESTINGHOUSE, air compressors, Le Roi Co., Subsidiary Westinghouse Air Brake Co.
WESTINGHOUSE, lamps, Westinghouse Electric Corn.

WESTINGHOUSE, laundromat, washers, Ald,

MESTON, electrical indicating instruments, Weston Electric Instrument Corp.
WESTPORT, dryer, Hoyt Mfg. Corp.
WEST TEXAS, boilers, water heaters and softeners and return tanks, West Texas Marine Boiler

ers and return tanks, West Texas Marine Boiler Works, Inc.
WESTVACO, chlorinated solvent (synthetic), Westvaco Chemical Div., Food Machinery & Chemical Corp.
WET-ACE, wet spotter, G & G Chemical Corp.
WET-ACE, wet spotter, Carman & Co., Inc.
WET-O-DRY, paint remover, Merson Products Co.
WETSOL, general spotter, Eaton Chemical & Dyestniff Co.
WETSOL, wet spotter, Nu-Pro Mfg. Co.
WETSOL, wet spotter, Nu-Pro Mfg. Co.
WETSPOL, wet ube base paint remover, Riverside Mfg. Co.

Mfg. Co. WETSPOT, wet spotter, Adco, Inc. WETSYN, synthetic detergent, E. F. Drew & Co..

WETTSPOTTER, paint, oil and grease remover,

WETTSPOTTER, paint, oil and grease remover, Riverside Mfg. Co.
WETT STOCK CONCENTRATE, moisture dispersant, Lustrol Drycleaning Products, Div. Patek & Co.
WHALEBONE, leather and waterproof leather belting, Charlotte Leather Belting Co.
WHEATEX, combination starch, Huron Milling Div. Hercules Powder Co.
WHEAT-N-CORN, combination starch and size, Keever Starch Co.
WHEEL, starch, A. E. Staley Mfg. Co.
WHEEL, starch, A. E. Staley Mfg. Co.
WHEEL-EZY, hand truck, Rapids-Standard Co., Inc.

Inc.
WHEELVEYOR, wheel conveyer, Mechanical Handling Systems Inc.
WHIRL-SORT, sorting reel, Franklin Mfg. Co.
WHIRLWIND, extractor, Fletcher Works, Inc.
WHITE CAP, drycleaning soap, Midland Color
& Chemical Co.
WHITE CAP, laundry blue, Beach Soap Co.
WHITECO, nylon laundry net, Whitehouse Nylon
Products

Products WHITEEN-100, medium-titer laundry soap, New

WHITEEN-100, medium-titer laundry soap, New South Mfg. Co., Inc.
WHITEGARD, 2-way fabric conditioners for laundries, Pennsait Chemicals Corp.
WHITE HOUSE, wheat starch, Huron Milling Co.
WHITEINT, fluorescent dye addition to soaps,
Carlton Chemical Co., Inc.
WHITE KING, toilet soap, coco almond soap,
coco lemon soap, Los Angeles Soap Co.
WHITE LABEL, medium-titer neutral soap,
Beach Soap Co.
WHITE RIBBON, tallow soap, laundry, wetcleaning and rug cleaning, Swift & Co., Industrial
Soap Dept.
WHITEA, blueing, Park & Tilford
WHITLOCK, preheaters, Whitlock Mfg. Co.

WHITLOCK, preheaters, Whitlock Mfg. Co.
WHITSON SYSTEM, boiler return systems,
Healy-Ruff Co.

WHIZ, stain remover, Tower Chemicals, Inc.

WICK, tapes and braids, Wick Narrow Fabrics Co.
WILL-BURT, coal stokers, oil burners, gas burners, Will-Burt Co.
WILLCO, invoice forms, Willco Sales Co.
WILLCO-VEYOR, call-office conveyor, Willco

WILLOU-VEYUR, call-office conveyor, William Sales Co.
WILLIAMS, laundry and drycleaning machinery, Williams Laundry Machinery Co., Inc.
WILLIAMS & DAVIS, boilers, condensation return systems, return units, boiler feed-water systems, Williams & Davis Boiler & Welding Co., Inc.
WILLS-MILCO, rug beater, A. O. Miller Co.
WILL-NOR, personalized premiums, shirt bands (premium), Wil-Nor Products
WINDMAKER, wall & roof exhaust type for ceiling mounted, floor and pedestal fans, Rich Fan Mig. Co.
WINDO, cedarized storage bag, Lincoln Bag Co.
WINDG CLAMP, collar support, Para-Lux Products
Co.

WING-GUARDS, hanger shields, Para-Lux Prod-

WING-LOCK, collar support, Para-Lux Products

WING-ROLL, collar support, Para-Lux Products

CO.
WINK, dye stripper, Lustrol Drycleaning Products,
Div. Patek & Co.
WINKLER, stokers, U. S. Machine Corp.
WIR "O" MATIC, extractor, Gross Machinery

Co., Inc.
WIZARD, automatic washer control, Norman
Control Co.
WIZARD, extractors, Hammond Laundry-Cleaning Machinery Co.
WIZARD, laundry net, Southern Mills, Inc.
W/O EMULSIFIER, wetcleaning stock solution,
Adrian Research & Chemical Co.
WOLF, electric cloth cutters, fabric drills, rag
cutters, Wolf Machine Co.
WONDERFOLD, sport shirt protectors, Sutherland Paper Co.

WONDER WEAVERS, reweaving damaged cloth-ing, Wonder Weavers WONDER WORKER, sewing machine, U. S. Blind Stitch Machine Corp. WONDRESS, flatwork ironer pads, Southern Mills,

Inc.
WOOL FLAKES, soaps, silks and woolens, Swift & Co., Industrial Scap Dept.
WOOLZ, a specific woolen soap, Caled Products

Co., Inc.
WORKHORSE, rug scrabber, Certified Chemical
& Equipment Co.
WORK SAVER, drycleaning truck, garment racks,
Time Savers, Inc.
WOVERITE, cover cloth, padding, Lewis National

Corp.
WRAF-O-MATIC, automatic paper cutting and wrapping Machine, Rosenthal Mfg. Co.
WRITE-GO, ink eradicator, A. L. Wilson Chemi-

cal Co. WSP POWDER, water softener, Coastal Chemical

Corp.

WULPRESS, wool press cloth and surface cloth, nylon and wool press and surface cloth, Arms Textile Mfg. Co.
WYANDOTTE, detergents, sours, Chemicals Corp., J. B. Ford Div.
WY. RUSKO, water conditioners, Wyandotte Chemicals Corp., J. B. Ford Div.

X

X-CLEANER PASTE, spot remover, J-G Chemists, X. L., built synthetic detergent, Armour & Co., In-

dustrial Soap Dept.

X-L CHARGE, drycleaning detergent, Dixo Co.

XANNO, indelible ink (no heat), Applegate Chemical Co.

ical Co.

X-PANDO, collar supports, Time Savers, Inc.

X-30, rag and overall detergent, George Steams

Chemical & Mfg. Co.

XTRA, nylon press cloth, X. S. Smith, Inc.

XXX, DRI-SHEEN, detergent for charged system, Adco, Inc.

Y.R. SAFETY STRIPPER, all-purpose dye strip-per, Lustrol Drycleaning Products, Div. Patek & Co. Y.R.S., yellow stain and run color remover, River-side Mfg. Co.

side Mfg. Co.

Y-S. air compressors, Le Roi Co., Compressor Div.
YA-DE, mothproof, Crossland Mfg. Co., Inc.
YANKEE, powdered and liquid starch, Gilcor
Mfg. Co., Inc.
YARMOR, pine oil, Hercules Powder Co.
YARWAY COLOR-FORT, boiler water gages,

YARWAY COLOR-PORT, boiler water gages, Yarmall-Waring Co.
YARWAY FINE SCREEN, pipe line strainers, Yarnall-Waring Co.
YARWAY IMPULSE, steam traps and strainers, Yarnall-Waring Co.

YARWAY INVOLUTE, spray nozzles, Yarnall-Waring Co. YARWAY "REMOTE," liquid level indicator, Waring Co.
YARWAY "REMOTE," liquid level indicator,
Yarnall-Waring Co.
YARWAY "SEATLESS," blow-off valves, YarnallWaring Co.
YELLOW-GO, liquid dye-reducing agent, A. L.
Wilson Chemical Co.
YELLOW HOOP, soap builder, Wyandotte Chemicals Corp., J. B. Ford Div.
YELLOW REMOVER, titanium type stripper,
Patek & Co.
YELO-LIQUID COLD STRIPPER, stain remover
and stripper, H. Kohnstamm & Co., Inc.
YORK-POWER, burners, generators, York-Shipley
Inc.

YOUNGS-PHILADELPHIA, platform trucks and dollies, various sizes, Paul O. Young Co.

Z.

Z-P, silk drycleaning soap for chlorinated solvent systems, Caled Products Co., Inc.
ZACK-O-MIX, concrete floor weld, Peters Co., Div. Toledo Paint & Chemical Co.
ZANZIBAR-CARBON, blues, curtain colors, indelible ink, indelible ink eradicator and thinner, B. Heller & Co.
ZARMITE, foot-power laundry presses, American Laundry Machinery Co.
ZARMO foot-power laundry presses, American Laundry Machinery Co.
ZETONER, paint remover, Riverside Mfg. Co.
ZEIDLER, spring cushion for flatwork ironers, stripping and guide device, Zeidler Mfg. Co., Inc.

Inc.
ZELAN, durable water repellent, E. I. du Pont
de Nemours & Co., Inc.
ZELCO, press and ironer pads, padding press
covers, Nathan Zellermayer & Co.
ZELEC. anti-static agent, E. I. du Pont de Nemours & Co., Inc.
ZELTEX, drycleaning soap, hat sizing, paint
remover, spotting agents, Zel-Tex Co., Inc.
ZELTEX, press and ironer pads, padding, press
covers, Nathan Zellermayer & Co.
ZENITH, electric timers, Zenith Electric Co.
ZENITH, extractors, filters, washers, Billingsly
Machinery Co.

ZENITH STARCH AID, laundry finishing lubri-

ZENITH STARCH AID, laundry finishing lubricant, Patek & Co.
ZEOLITE, boiler feed-water treatment, National Chemical Sales Co., Inc.
ZEOLITE ALGAE, control treatment, National Chemical Sales Co., Inc.
ZEOLITE AMINE, condensate treatment control of rust and pitting in return lines, National Chemical Sales Co., Inc.
ZEPHTR, extractor, ironer, washer, Hydraxtor Co.
ZERO, combination water softener and iron removers, neutralizers, Zero Water Softener Mfg. Co.

ZERO-OXYGEN, deaerating system, Fred H.

ZERO-OXYGEN, deaerating system, Fred H. Schaub Engineering Co.
ZEROSOFT, water softener, iron remover, filter, zeolite, Zero Water Softener Mfg. Co.
ZEST, synthetic wetcleaning soap, Adco, Inc.
ZETONE, cleaning, glazing fluid, ground wood
flour (treated) cloth tumbling bag, Zimmerman
Producti
ZIG-ZAG, power conveyor, Richards-Wilcox Mfg.
Co.

ZIG-ZAG, heat exchangers and reclaimers, David

Stout & Sons
ZIP, go-back conveyor, Time Savers, Inc.
ZIP-LUXOB, plastic storage bag, side opening,
Rassenfors Bag Ca., Inc.
ZIPOLA, lubricant, High Chemical Co.
ZIPOLA lubricant, High Chemical Co.
ZIPON, leather finish, Keystone Aniline & Chemical Co., Inc.
ZIPPER-EASE, stainless lubricant, A. G. S. Co.
ZIPPO, wetcleaning detergent, Benda Products,
Inc.

ZIP-R-FLEX, tool kit for repairing zippers, Mars

ZIP-R-FILEX, tool kit for repairing zippers, Mars Tool Co.
ZIP STIK, ink remover, Keystone Aniline & Chemical Co., Inc.
ZOL. synthetic drycleaning solvent, Stauffer Chemical Co.
ZOLVIT, paint, oil and grease remover, River-side Mfg. Co.
ZONE-AIR, feather reconditioning unit, American Laundry Machinery Co.
ZONE-AIR, laundry or drycleaning drying tum-blers, American Laundry Machinery Co.
ZONEX, chloroform substitute, Package Chemical Co, Inc.
ZORIC, garment cleaning system, American Clean-

Co., Inc.
ZORIC, garment cleaning system, American Cleaners Equipment Co., Div. American Laundry

ers Equipment Co., Div. American Lauren,
Machinery Co.
ZRAY, drycleaning detergent, Delan Co.
ZUCKERBERG, replacement collars and cuffs,
laundry bags, nets, press covers, Zuckerberg

Co.
ZUDS, sulphated compound for wetcleaning in salt or acid solutions, Caled Products Co., Inc.
ZURON, petroleum solvent drycleaning unit.
American Cleaners Equipment Co., Div. American Laundry Machinery Co.
ZYMO, enzymic spot remover, Keystone Aniline & Chemical Co., Inc.

Manufacturers

equipment and supply producers listed alphabetically with their mailing addresses

A.A.A. Weaving Service, 1182 Madison Ave., New York 28, N. Y. A A Laundry Machinery Co., 1110-12 S. Kedzie Ave., Chicago 12, Ill. A-B Novelty Corp., 519 30th St., Union City, N. J. Abbey Mfg. Co., Inc., 1604 N. Third St., Kansas City. Kan. Abbey Mfg. Co., Inc., 1604 N. Third St., Kansas City, Kans.
ABC Collar 'N' Coff Co., 423 Broadway, New York 13. N. Y.
Absco-Clean Chemical Co., 6017 E. McNichols Rd., Detroit 12, Mich.
A.G.S. Co., Muskegon, Mich.
A.G.S. Co., Muskegon, Mich.
Academy Hanger Co., 1ac., 177 E. 123rd St., New York 35. N. Y.
Ace Fastener Corp., 3415 N. Ashland Ave., Chicago 13. Ill.
Ace Hose & Rubber Co., 1708-14 S. State St., Chicago 16, Ill.
Ace Weaving Service, 416 Madison Ave., New Chicago 16, Ill.
Ace Weaving Service, 416 Madison Ave., New
York 17, N. Y.
Acme Dye House, Inc., 7606 Carnegie Ave.,
Cleveland 3, Ohio
Acme Hatters Supply Co., 104-106 Bleecker St.,
New York 12, N. Y.
Acme Industrial Compounds Corp., 625 S. Goodman, Rochester 7, N. Y.
Acme Soap Co., 251 Third St., Cambridge 42,
Mass.

man, Rochester 7, N. Y.
Acme Soap Co., 251 Third St., Cambridge 42,
Mass;
Adams Weaving Co., 1123 Republic Bldg., Chicago 4, Ill.
Adco, Inc., 900 W. Main St., Sedalia, Mo.
Addressograph-Multigraph Corp., 1200 Babbitt
Rd., Cleveland 17, Ohio
Adelman Glove Cleaners, Inc., & Leather Cleaners, 1607 Devon Ave. & 3757 Fullerton, Chicago. Ill. ers, 1607 Devon Ave, & 3757 Fullerton, Chicago, III.
Adhesive Froducts Corp., 1660 Boone Ave., New York 60, N. Y.
Adrian Research & Chemical Co., Inc., Elna & Pennsylvania Aves., North Wales. Pa.
Advance Floor Machine Co., 2613 S.E. Fourth St., Minneapolis 14, Minn.
Aerol Co., Inc., 1731 Workman St., Los Angeles Aeroquip Corp., 300 S. East Ave., Jackson, Mich.
31, Calif.
Aerovent Fan Co., 700 E. Ash St., Piqua, Ohio

Aerovent Fan Co., 700 E. Ash St., Piqua, Ohio Astna Felt Co., Inc., 204 Centre St., New York A, N. Y.
r Cooling Engineering Co., P. O. Box 744.
Evanston, Ill.
Evanston, Ill.
Evanston, Ill.
Evanston, Ill.
Evanston, Ill. Ajax Presses, 619 S. Fifth West, Salt Lake City,

Utah
Ald, Inc., 7045 N. Western Ave., Chicago 45, Ill.
Alemite Div., Stewart Warner Corp., 1626 Diversey Parkway, Chicago 31, Ill.
Alert Boiler & Mig. Co., 9661 Robson St., Detroit 28, Mich.
Alfreda Furs, 150 W. 30th St., New York, N. Y.
Allcraft Mig. Co., 27 Hayward St., Cambridge
Alleghen Ludlem, Steel Co.

Allicraft Mig. Co., 27 Hayward St., Cambridge 42, Mass.
Allegheny Ludlum Steel Corp., Oliver Bldg., Mellon Square, Pittsburgh 22, Pa.
Allen & Vickers, Inc., 495 Glen Iris Dr., N. E., Atlanta, Ga.
Allen, R. C., Business Machines, Inc., 678 Front St. N. W. Grand Rapids, Mich.
Allied Equipment Co., 7671 Rogers Ave., Chicago 26, Ill.
Allied Laundry Machinery Corp., Wythe Ave., Brooklyn, N. Y.
Bis-Coalmers Mig. Co., 1126 S. 70th St., Milwaukee 1, Wisc.
Allis, Louis, Co., 427 E. Stewart St., Milwaukee

Allis, Louis, Co., 427 E. Stewart St., Milwaukee 7, Wisc.

All Star Industries, 147 Auction St., Memphis, ore Dye House, 4412-4424 Wentworth Ave.

Chicago 9, Ill. Alrose Chemical Co., Div. Geigy Chemical Corp., P. O. Box 1294, Providence 1, R. I. Alton Mfg. Co., 1112 Ross Ave., Dallas, Texas

Aluminum Co. of America, 640 Gulf Bldg., Pitts-burgh 19, Pa. Ambassador Contínuous Towel Cabinet Co., 125 N. Mission Rd., Los Angeles 33, Cal.

Amber Mig. Co., 16220 S. Figueroa St., Cardena, Cal. Cal.
Amber School of Reweaving, Box 628, No. Miami Beach, Fla.
Americaine, Inc., 1316 Sherman Ave., Evanston,

Americanne, Inc., 1316 Sherman Ave., Evanston, Ill.
American Air Compressor Corp., 48th & Dell Ave., North Bergen, N. J.
American Alcolae Corp., 3450 Fairfield Rd., Baltimore 26, Md.
American Aniline Preducts, Inc., 50 Union Sq., New York 3, N. Y.
American Associated Cos., Inc., P. O. Box 4056, Atlanta, Ga.
American Blower Corp., Div., American-Standard, Detroit 32, Mich.
American Brake Shoe Co., Kellugg Div., 97 Humboldt St., Rochester 9, N. Y.
American Brake Shoe Co., Kellugg Div., 97 Humboldt St., Rochester 9, N. Y.
American Brass Co., American Metal Hose Div., 698 S. Main St., Waterbury 20, Conn.
American Cleaners Equipment Co., Div. American Januadry Machinery Co., Ross & Section Aves., Cincinnati 12, Ohio
American Coal Burner & Wood Stoker Corp., 18
E. Erie St., Chicago Il, Ill.
American Coal Hanger Mfg. & Specialty Co., 3917-21 W. Jefferson Blvd., Los Angeles 16, Cal.
American Colloid Co., 363 W. Superior St., Chi-

S917-21 W. Jenerson Bivd., Los Angeles 10, Cal.
American Colloid Co., 363 W. Superior St., Chicago 10, III.
American Coolsir Corp., Box 2300, Jacksonville 3, Fla.
American District Steam Co., 455 Bryant St., North Tonawanda, N. Y.
American Electrical Heater Co., 6110 Cass Ave., Detroit 2, Mich.
American Engineering Co., Armingo Ave. & Cumberland St., Philadelphia 25, Pa.
American Flow Products Co., 4922 Wisconsin Ave., N.W., Washington 16, D. C.
American Hair & Felt Co., 1828 Merchandise Mart, Chicago 54, Ill.
American Hair & Felt Co., 9 E. Harrison St., Chicago 5, Ill.

American Hatters Supplies, Inc., 9 E. Harrison St., Chicago 5, Ill.
American Institute of Laundering, Joliet, Ill. American Institute of Laundering, Joliet, Ill. American Laundry Machinery Co., Ross & Section Ares, Cincinnati 12, Ohio
American Laundry Machinery Co., Ross & Section Aves, Chicago, Ill.
American Mineral Spirits Co., 230 N. Michigan Ave., Chicago, Ill.
American Monorall Co., 13107 Athens Ave., Clicago, Ill.
American Mothproofing Co., 2510 Hampton Ave., St. Louis 10. Mo.
American Numbering Machine Co., Atlantic & Shepherd Aves, Brooklyn 8, N. Y.
American Pressboard Co., Inc., 114 W. 30th St., New York 1, N. Y.
American Shirt Co., 1123 Broadway, New York 10, N. Y.

American Shirt Co., 1123 Broadway, New York
10, N. Y.
American Sterilizer Co., 1230 Plum St., Erie, Pa.
American Telephone & Telegraph Co., 195 Broadway, New York 7, N. Y.
American Textile Weaving Co., 5 N. Wabash,
Chicago, til.
American Water Softener Co., Fourth & Lehigh,
Philadelphia 33, Pa.
American Wire Form Corp., 285 Grant Ave.,
Jersey City 5, N. J.
Ames Iron Works, Inc., Oswego, N. Y.
Analytical Measurements, Inc., 585 Main St.,
Chatham, N. Y.
Anderson Bar, & Rasker Co., Inc., Henderson, Ky.

Anderson Box & Basket Co., Inc., Henderson, Ky.
Anderson Collar Support Co., 1443 E. 120th St.,
Cleveland 6, Ohio

Anderson Specialty Mfg. Co., 5 Hunt Rd., Jamestown, N. Y.
nderson, V. D., Co., Div. International Basic
Economy Corp., 1935 W. 96th St., Cleveland

aderson-Prichard Oil Corp., 1000 Liberty Bank Bldg., Oklahoma City 2, Okla. Andrew Paper Box & Bag Corp., Brooklyn 23, Andrew Parts Mfg. Co., 32-70-31st St., Long Island City 6, N. Y. Andrew Technical Service, 11 E. Delaware Pl.,

Andrew Technical Service, 11 E. Delaware Pl., Chicago 11, Ill.
Angelica Uniform Co., 1419-29 Olive St., St. Louis 3, Mo.
Angle Steel, Inc., Acorn St., Plainwell, Mich.
Anson, Art, Inc., 1901 S. 12th St., Allentown, Pa.
Ansul Chemical Co., Marinette, Wisc.
Anthony Co., 47-35 Fifth St., Long Island City 1,
N. Y.
Apez Chemical Co., Inc., 225 W. 34th St., New York I. N. Y.
Apex Electrical Mig. Co., 11770 Berea Rd.,
Cleveland, Ohio

Cleveland, Ohio Corp., 1070 E. 152nd St., Cleve-

Apex Hotarex Corp., 1070 E. 152nd St., Cleve-land 10, Ohio Applegate Chemical Co., 5632 Harper Ave., Chi-cago 37, Ill. Appliance Service Co., 1821 54th St., Brooklyn 4, N.Y.

Appliance Service Co., 1821 54th St., Brooklyn 4, N. Y. Aqua Electric Scale Control, Inc., 2028 E. 22nd St., Cleveland 15, Ohio Aqua-Jet Machine Corp., 225 W. 34th St., New York 1, N. Y. Aqua-Sec Corp., 1450 Broadway, New York 18, N. Y.

atrol, Inc. (Specialties Div.), 689 Milwaukee ve. Chicago 22, Ill. Ave., Chicago 22, III. Arabol Mig. Co., 110 E. 42nd St., New York 17, N. Y. Armen Chemicals, Inc., 630 S. Ashley St., Ann

Armeire Chemicaus, Inc., 650 S. Asiney St., Ann Arbor, Mich., 6609 Broad St., Los Angeles 1, Cal. Armour & Co., Industrial Soap Dept., 1355 W. 31st St., Chicago 9, Ill. Arms Textile Mfg. Co., 200 Fifth Ave., New York 10, N. Y.

Armstrong Machine Works, 8326 Maple St., Three Rivers, Mich. Arndt Mfg. Co., Inc., 795 Flatbush Ave., Brooklyn, N. Y. mold-Hollman & Co., Inc., 55 Canal St., Provi-Arrow Fastener Co., Inc., 17 Junius St., Brooklyn 12, N. Y.
Arrow Fastener Co., Inc., 1 Junius St., Brooklyn 12, N. Y.
Arrow Mg. Co., 2924 Terrace St., Kansas City 41,

Mo.
Arrow Tank Co., Inc., 16 Barnett St., Buffalo 15, N. Y.

Asselia, Victor, Fur Co., 412 Eighth Ave., New York I. N. Y.
Associated Crib Diapers Cos., 4747 N. Damen Ave., Chicago 25, Ill.
Atlanta Brush Co., Box 1358, Atlanta I, Ga.
Atlanta Body Co., 4150 E. Thompson St., Philadelphia 37, Pa.
Atlas Powder Co., Chemicals Div., Concord Pike & New Murphy Rd., Wilmington 99, Del.
Atlas Steel Products, Inc., 1160 Chico Ave., El Monte, Cal.

Atlas Steel Products, Inc., 1100 Cinco Ave., 2. Monte, Cal.
Monte, Cal.
Attapulgas Clay Co., 210 W. Washington Sq.,
Philadelphia S, Pa.
Autographic Register Co., Seventh & Park, Hoboken, N. J.
Automatic Paper Box Corp., 1011-25 S. California
Ave., Chicago, Ill.
Automatic Saleabook Co., Willimantic, Conn.
Automatic Specialties, Inc., 242 Walker St., S. W.
Atlanta 3, Ga.
Automatic Steam Products Corp., 140 W. 31st

Atlanta 3, Ga.
Automatic Steam Products Corp., 140 W. 31st
St., New York, N. Y.
Automobile Insurance Co., 151 Farmington Ave.,
Hartford, Com.

Ayerst, McKenna & Harrison, 22 E. 40th St., New York 16, N. Y.

R

B & C Engineering Co., 2706 Chestnut St., To-Bachr Laundry Machine Co., 39 Calumet St., Newark 5, N. J.

Bailey Meter Co., 1050 Ivanhoe Rd., Cleveland 10, Ohio Bailey, Prihoda & Co., 326 Kalamazoo Ave., Kalamazoo II, Mich.
Barber-Colman Co., 1300 Rock St., Rockford, III.
Barber-Gig. Co., 1301-13 Winnemac Ave., Chicago 40, III.
Barker Mig. Co., 730 E. Michigan Ave., Battle Creek. Mich.
Bartled Sunlight Paint Co., 10 E. Dudley St., Providence I, R. I.
Barrett Div., Allied Chemical & Dye Corp., 40 Fiecco St., New York 6, N.Y. & Dye Corp., 40 Bartlett Label Co., 2135 Portage St., Kalamazoo 29F, Mich.

29F, Mich. & Sons, Inc., 143 W. 29th St., New York, N. Y. Beach Sonp Co., 125 Lawrence St., Lawrence, Mass.
Beaver Pipe Tools, Inc., 310 Dana Ave., Warren,
Ohio rstock, L., Co., 1708 S. State St., Chicago 16,

Belnap & Thompson, Inc., 271 Madison Ave., New York, N. Y. Bemis Bro. Bag Co., 408 Pine St., St. Louis 2, Mo. Benda Products, Inc., 120 Potter St., Cambridge 42. Mass.

Bendix Aviation Corp., Flexible Hase Div., U. S. Route 6, Teterboro, N. J.
Benton Bros., 2322 12th Ave., N., Birmingham, Ala. Beawall Mfg. Co., Inc., 2859 Atlantic Ave., Brook-lyn 7, N. Y. Bergen Machine Tool Co., Inc., Radne Unit Springs Div., 189 Franklin Ave., Nutley 10,

N. J.
Berger Mfg. Div., Republic Steel Corp., 1038 Belden Ave., N. E., Canton S, Ohio
Berlou Mfg. Co., 421 Monroe St., Marion, Ohio
Bernard-Franklin Co., Inc., 3000 E. Hedley St.,
Philadelphia 37, Pa.
Bersworth Chemical Co., Waverly St., Framingham, Mass.

ham, Mass.
Bertsch & Co., Cambridge City, Ind.
Besley Corp., 4053 Harlan St., Emeryville 8, Cal.
Besley Coat & Apron Mig. Co., Inc., 408 E. 59th St.,
New York 22, N.Y.
Best Forms Co., 10 Grace St., P. O. Box 736,
Wilmington, N. C.
Best Textile Co., 408 E. 59th St., New York 22,
N.Y.

N. Y.
Bestvary Shine Removal Co., Inc., 416 Madison
Ave., New York 17, N. Y.
Better Packages, Inc., 254 Canal St., Shelton,

Conn. Commical Products Corp., 98 Bigelow St., Quincy 69, Mass.
Bigelow-Sanford Carpet Co., 136 Madison Ave., New York 16, N. Y.
Binks Mig. Co., 3114 W. Carroll Ave., Chicago

Blackmer Pump Co., 1809 Century Ave., S. W., Grand Rapids 7, Mich. Blair Hunt Co., 134 McDonald Ave., Albertville,

Bome, Scrymser Co., 632 S. Front St., Elizabeth, N. J. Bostitch, Inc., 537 Mechanic St., Westerly, R. I. Bostich, Inc., 537 Mechanic St., Westerly, R. I. Boston Clip & Tag Co., 48 Grove St., Somerville,

Mass. ostwick-Batterson Co., 315-23 N. 12th St., Phil-

adelphia 7, Pa.

Bostwick Lahoratories, 708 Bostwick Ave., Bridgeport S. Com.

Bowser, Inc., 1302 E. Creighton Ave., Fort Wayne 2, Ind.

Boyertown Auto Body Works, Inc., Third & Walnut Sts., Boyertown, Pa.

Brady Conveyors Corp., 20 W. Jackson Blvd., Chicago 4, Ill.
raun Brush Co., 8833 78th St., Woodhaven 21,
N. Y.

Braun, G. A., Inc., Empire Bldg., Syracuse, N. Y. Braun, Philip N., 2204 Eric Blvd., East, Syracuse 1, N. Y. Brenew Co., Platteville, Wisc.

Bressler Engineering Service, 509 N. Fourth Ave., P. O. Box 111, Oregon 1, 111. Breuer Electric Mfg. Co., 5100 N. Ravenswood

Ave., Chicago 40, Ill.
Bridgeport Brass Co., 30 Grand St., Bridgeport 2,

Bristol Co., Waterbury 91, Conn.
Brooks, Alfred J., 184 Dent St., West Roxbury,
Boston, Mass.

Bros, Wm., Boiler & Mfg. Co., 1057 10th Ave., S.E., Minneapolis 14, Minn.
Brown, Dayton T., Inc., 1305 Strong Rd., Copiague, L. I., N. Y.

Brownell Co., 450 N. Findlay St., Dayton 1, Ohio Brumber & Zinniel, 6211 N. Bay Ridge Ave., Mil-waukee, Wisc.

Bruner Corp., 4763 N. 82nd St., Milwaukee 9.

Brunner Div., Dunham-Bush, Inc., 1821 Broad St., Utica 1, N. Y. Ottoa I, N. Y. Born, 18c., 1921 Broad St., Bryan Steam Corp., P. O. Box 337, Peru, Ind., Bryant Heater Div., Affiliated Gas Equipment, Inc., 17825 St. Clair Ave., Cleveland 10, Ohio Buffalo Meter Co., 2917 Main St., Buffalo 14, N. Y.

N. I.
Bunn, B. H., Co., 7605 Vincennes Ave., Chicago
20, Ill.
Burroot Mills, 616 W. Fulton St., Chicago 6, Ill.
Burroughs Adding Machine Co., 6071 Second
Ave., Detroit 32, Mich.
Bursard, R. D., & Son, 505 E. Fifth Ave., Albany,

Orie, Butler Engineering Co., 2612 Rousseau St., New Orieans 13, La. Butler Mfg, Co., 7400 E. 13th St., Kansas City

C & H Electric Co., 436 W. Juneau Ave., Milwaukee 3, Wisc.
C. O. D. Cleaning & Dyeing Co., Davenport, Iowa
Cade Paper & Bag Corp., 58 Sedgewick St., Brooklyn 2, N. Y.
Caldwell, W. E., Co., 2001 Brook St., Louisville

8, Ky.
Caled Products Co., Inc., 4200 Bladensburg Blvd.,
Brentwood, Md. Hagan Chemicals & Controls,
Inc., 323 Fourth Ave., Pittsburgh 22, Pa.
California Laundry Equipment Co., 2221 Union
St., Cakland, Cal.
Callaway Mills, Inc., 295 Fifth Ave., New York
16, N. Y.
Callette Distributors and Supply, Inc., 539 W.
69th Street, Chicago 21, Ill.
Calusa Chemical Co., 2132 Sacramento St., Los
Angeles 21, Calif.

Causa Chemical Co., 2132 Sacramento St., Los Angeles 21, Calif. Campbell Box & Tag Co., Sample & Guide Sts., South Bend 23, Ind. Campbell, J. A., Co., 645 E. Wardlow Rd., Long Beach 7, Cal. Canton Stoker Corp., 1200 Andrew Pl., Canton 1,

Ohio Canas Specialty Co., P. O. Box 937, Hartford 1, Capital Poster Service, Inc., 307 Canal St., New York, N. Y. Cappel, MacDonald & Co., 30 E. 60th St., New York, N. Y.

York, N. 1. Carey, Philip, Mfg. Co., Lockland St., Cincinnati 15, Ohio Carey Salto Co., Carey Bidg., Hutchinson, Kans. Carton Chemical Co., Inc., 33 Commerce St., New Vork 14, N. Y. Cartyle Rubber Co., Inc., 64 Park Pl., New York 7, N. Y.

Carnegie-Illinois Steel Corp., Carnegie Bldg., Pitts-Carnegie-lilling steet corp., Cainego Carnegie-lilling Steet Corp., Carousel Sign Co., 420 E. Rose St., Lakeland, Fla. Carrier Corp., 300 S. Geddes St., Syracuse, N. Y. Carry Pack Co., Ltd., 9525 Irving Park Rd., Schiller Park, Ill.
Carson Textile Co., Inc., 2401 S. Swanson St., Ill. Lab. Lil. B.

Fhiladelphia, Pa. arter's Ink Co., 239 First St., Cambridge 42, Mass Carver Pump Co., Hershey & Green Sts., Musca-tine, Iowa Cash, A. W., Valve Mig. Corp., 666 E. Wabash

Ave., Decatur, Ill.

Caterpillar Tractor Co., 350 Fifth Ave., New York, N. Y. entral Brass Mfg. Co., 2950 E. 55th St., Cleve-land 4, Ohio Central Dyeing Co., 1550 Dickson Ave., Scranton

9, Pa. Centrize, 2224 63rd St., Kenosha, Wisc. Century Electric Co., 1806 Pine St., St. Louis 3, Mo.
Mo.
Paper Products Co., 2762 S. Archer,
Chicago, Ill.
Tag 7787 North Ave., River

Cepi-American, Inc., 7767 North Ave., River

Cepi-American, Inc., 7767 North Ave., River Forest, III.
Certified Chemical & Equipment Co., 5366 St. Clair Ave., Cleveland 3, Ohio
Chace Valve Div., American Laundry Machinery Co., Norwood Station. Cincinnati 12, Ohio
Challeage Mig. Co., 7400 E. Bandini Blvd., Los Angeles 22, Calif.
Challeage Marking Tag. Co., 3917-21 W. Jefferson Blvd., Los Angeles 16, Cal.
Champion Implement Corp., 45 W. 45th St., New York 19, N. Y.
Charles Machine Co., 1000 West St., Ayer, Mass.
Chapman Suede & Leather Refinishers, 1307
Frankin Ave., Wichita, Kans.
Charlotte 1, N. C.
Chaus Brass & Conner Co., 236 Grand St. Water.

Chase Brass & Copper Co., 236 Grand St., Water-Chatilon, John, & Sons, 89 Chiff St., New York 38, N. Y.

Checking System Co., 515 S. Walker St., Columbia, S. C.

Chek Products, Inc., 31 Nassau Pl., East Orange,

N. J.
Chelsea Fan & Blower Co., 639 South Ave., Plainfield, N. J.
Chempump Corp., 1300 E. Mermaid Lane, Philadelphia 18, Pa.
Chemstrand Corp., The, 350 Fifth Ave., New
York, N. Y.
Chevlin, Samuel, Co., Inc., 2721 N. Halsted St.,
Chicago 4, Ill.
Chevrolet Motor Div., General Motors Corp., Detroit 2, Mich.
Chicago Automatic Stoker Co., 14 N. Clinton St.,
Chicago 6, Ill.

Chicago B, Ill.

Chicago Dryer Co., 2212 N. Pulaski Rd., Chicago 39, Ill.

39, 1ll.

Chicago Pump Co., 2300 Wolfram St., Chicago 18, Ill.

Chicago New & Used Laundry Equipment Co., 3128 W Lake St., Chicago 12, Ill.

Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp., Fremont Ave., Tonawanda, N. Y.

Chloral Chemical Corp., 171 Lombardy St., Brook-ba-0.0

Ohioral Chemical Corp., 171 Lombardy St., Brooklyn 22, N. Y.
Chrysler Corp., Airtemp Div., 1110 Leo St., Dayton, Ohio.
Chrysler Corp., Amplex Div., 6501 Harper Ave.,
Detroit 31, Mich.
Ciba Co., Inc., 627 Greenwich St., New York 14.

Otto Co., Jac., 627 Greenwan Ave., Jersey City 7, Cidex Corp., 44 Sherman Ave., Jersey City 7, N. J.

Giscinnati Marking Tag & Supply Mig. Co., 12

Giscinnati Marking Tag & Supply Mig. Co., 12

Chica Corps, 43 Silvano Carlon Marking Tag & Supply Mig. Co., 12 E. Ninth St., Cincinnati 2, Ohio Cincinnati Repair Service, 413 Race St., Cincinnati, Ohio Cinti Suede & Leather Cleaners, 8581 Cheviot Rd., Cincinnati, Ohio

Cincinnati, Ohio
Cissell, W. M., Mfg. Co., Inc., 831 S. First St.,
Louisville 1, Ky.
Clarage Fan Co., North & Porter Sts., Kalamazoo
16, Mich.
Clark Mfg. Co., 1830 E. 38th St., Cleveland 14,
Ohio.

Ohio Ohio Clayton Mfg. Co., 401 N, Temple City Bivd., El Monte, Cal., El Monte, Cal., 18140 James Couzens Highway, Detroit 35, Mich. Cleaners Sales & Equipment Corp., 25 Division Pl., Brooklyn 22, N. Y.

Pl., Brooklyn 22, N. Y.

Cleaners Specialities Supplies Co., 6615 N. Fairfield Ave., Chicago 45, Ill.

Clear-View Packaging Co., 8218 Stony Island
Ave., Chicago 17, Ill.

Cleaver-Brooks Co., 358 E. Keefe Ave., Milwaukee 12, Wisc.

Cleveland Garment Hanger Co., 8205 Madison
Ave., Cleveland 2, Ohio

Cleveland Heater Co., 2310 Superior Ave., Cleveland, Ohio

land, Ohio
Cleveland Rug Cleaning Machinery Co., 5618
Hamlet Ave., Cleveland 4, Ohio
Clinton Corn Processing Co., Clinton, Iowa
Clinton Products Co., Clinton 7, Mich.
Clipper Belt Lacer Co., 974 Front Ave., N.W.,
Grand Rapids 2, Mich.
Clopay Corp., Clopay Sq., Cincinnati 14, Ohio
Clorox Chemical Co., 850 42nd Ave., Oakland 1,
Cal. Colothes-A-Clean Mfg. Corp., 5600 N. W. 2nd Ave., Miami, Fla. Coastal Chemical Corp., 685 River Drive, Garfield. N. J.

Coates Electric Mfg. Co., 3610 First Ave. S., Seattle 4, Wash. Seat Retainer Co., 137 Haggin St., San Antonio

16, Texas Cochrane Corp., 3101 N. 17th St., Philadelphia

Coe Leather Cleaners of America, 1287 Second Ave., New York 21, N. Y. Colgate-Palmolive Co., 300 Park Ave., New York 22, N. Y. College Chemical Co., 16 Brooks Park, Medford,

Mass. Name of the control o

Colson Corp., Cedar & Pine Sts., Elyria, Ohio Columbia Appliance Corp., 47-47 35th St., Long Island City, N. Y. Columbia Boiler Co. of Pottstown, Box 230, Potts-

Columbia Boller Co. of Pottstown, Box 230, Pottstown, Pa.
Columbia Laundry Machinery Co., 1313-19 E.
15th St., Kanasa Gity, Mo.
Columbia Sewing Machine Corp., 129-131 W.
22nd St., New York 3, N. Y.
Columbia-Southern Chemical Corp., One Gateway Center, Pittsburgh 22, Fa.
Columbus Lace Cleaning Co., 49 Greenlawn Ave.,

Columbus, Ohio Columbus Reweavers, 7651 N. E. Second Ave., Miami, Fla. Combustion Control Corp., 77 Broadway, Cambridge 42, Mass.
Combustioneer Div., Steel Products Engineering

Co., 1205 W. Columbia St., Springfield, Ohio Combustion Engineering Co., Inc., 200 Madison Ave., New York, N. Y. Comer Co., 308 Ivy St., N. E. Atlanta 1, Ga. Comet Envelope & Paper Co., Inc., 5 E. 17th St., New York 3, N. Y.

E

Con mercial Filters Corp., 2 Main St., Melrose 76, ercial Heater Co., P. O. Box 7295, Fort Commercial Heater Co., P. O. 1902, 1200, Worth, Texas
Commercial Investment Trust, Inc., 1 Park Ave., New York 16, N. 1903, 121, 1000 Falls, Ia. Conco Engineering Works, Div. H. D. Conkey & Co., 1900 Orange St., Mendota, III. Concord Chemical Co., Inc., P. O. Box 800, Camberland Co., 180, P. O. Box 800, P. O. B den I, N. J.
me Mills, Inc., 59 Worth St., New York 13.
N. Y. nnolly, J. J., Inc., 457 W. 40th St., New York 18, N. Y. mrad Embroidery Co., 523 30th St., Union City, C N. J. N. J.
Con-Secu-Tag, Inc., 27 Hooper St., Brooklyn 11,
N. Y.
Container Development Corp., Dept. SR, Water-town, Wisconsin
Continental Car-Na-Var Corp., P. O. Box 344,
Brazil, Ind.
Cook Machinery Co., Inc., 4301 S. Fitzhugh, Dallas 10, Texas ook's Adam, Sons, Inc., 5 N. Stiles St., Linden, N. J. N. J.
Coolidge, John E., Co., 2508 W. Slauson Ave.,
Los Angeles 43, Cal.
Cooper-Bessener Corp., N. Sandusky St., Mt.
Vernon, Ohio
Cooper, H. P., Co., 308-10 S. Green St., Chicago
7, Ill.
Cornell Belting Co., 440 N. Wells St., Chicago Cornell Belting Co., 440 N. Wells St., Chicago 10, Ill.
Cornell Paperboard Products Co., 1514 E. Thomas Ave., Milwaukee I, Wisc.
C-O-Two, U. S. Highway I, Newark I, N. J.
Coventry Products Co., Inc., 4041 Okalona Rd., Cleveland 21, Ohno
Cowles Chemical Co., 7016 Euclid Ave., Cleveland 3, Ohio
Crane Co., 836 S. Michigan Ave., Chicago 5, Ill.
Cravenette Co., U. S. A., Eighth & Madison Sts., Hoboken, N. J.
Crawford Fitting Co., 884 E. 140th St., Cleveland, Ohio
Crascort Relt Fastener Co., 480 Lerieston Ave. Crescent Belt Fastener Co., 480 Lexington Ave. New York 17, N. Y.
Crewdson Co., 626 S. Clark St., Chicago S. III.
Crocker-Wheeler Electric Mig. Co., Div. Joshua Hendy Iron Works, Ampere, N. J. rosby Steam Gauge & Valve Co., 10 Roland St., Boston 29, Mass. C Boston 29, Mass.
Crown Mig. Co., 1025 N. Sixth St., St. Louis 1,
Mo.
Crucible Steel Co. of America, Henry W. Oliver
Bldg., Mellon Sq., Fittsburgh 22, Pa.
Culligan, Inc., 1810 Shermer Rd., Northbrook,
Cultivaries Louis Cu mings-Landau Laundry Machinery Co., Inc., Cummings-Landau Laundry Machinery Co., Inc., 305-17 Ten Eyck St., Brooklyn 6, N. Y.
Cupples-Hess Corp., 4175 N. Kingshighway Blvd., St. Louis E.S., Mo.
Curry, J. W., Co., 2615 Cummins St., Cincinnati 25, Ohio
Curtis Mfg. Co., 1905 Kienlen Ave., St. Louis 20, Mo. Mto.
Custom Engineering Co., 3138 W. Slauson Ave.,
Los Angeles 43, Cal.
Custom Fur Service, Inc., Second Ave., at 109th
St., Troy, N. Y.
Custom-Helenizing Leather, 310 Prospect St.,
Trenton, N. J.
Custom Leather Refinishers, 310 Prospect St.,
Trenton, N. J.

-D. & R. Centrols, 220 First St., N. E., Cleveland, Dahiberg Machinery Co., 417 Torrey Bidg., Du-luth, Minn.
Dakota Chemical Co., Arberdeen, S. D.
Daniels, C. R., Inc., Daniels, Md.
Daroo Dept. (Atlas Powder Co.), 60 E. 42nd St., New York 17, N. Y.
Darman Mfg. Co., Inc., 1410 Lincoln Ave., Utica, N. Y.

Trenton, N. J. attlet-Hammer, Inc., 315 N. 12th St., Milwaukee 1, Wisc. I, Wisc. Cyclotherm Div., U. S. Radiator Corp., 157 E.

Darm. N. Y Darnell Corp., Ltd., 12000 Woodruff Ave., Downey, Cal. Davies-Young Soap Co., 705 Albany St., Dayton 3 Ohio

Davis Emergency Equipment Co., Inc., 45 Halleck St., Newark 4, N. J.
Davis Regineering Corp., 1604 E. Grand St.,
Elizabeth 4, N. J.
Davis, K. H., Mig. Corp., 2415 E. 23rd St., Los
Angeles 11, Cal.

8, Ill.
Davis-Weil Mfg. Co., Inc., 931 S. Front St.,
Memphis 3, Tenn.

Dean Hill Pump Co., 4000 E. 16th St., Indian-position of the Co., 2000 E. 16th St., Indian-position of the Co., 2000 E. 16th St., Indian-Metals, Inc., East Moline, Ill. Decatur Pump Co., 2750 Nelson Pk. Rd., Decatur 70, Ill.

Deep Rock Oil Corp., 155 N. Clark St., Chicago 90, Ill. Deer Park Cleaners, 7110 Blue Ash Ave., Cincinnati, Ohio

nati, Ohio
Defender Instrument & Regulator Co., Boody, Wis.
Defur Electric Works, 124 Bleecker St., New York
12, N. Y.
B. Kalb Commercial Body Corp., 203 W. Garden
St., De Kalb, Ill.
Delan Co., 421 E. Fourth South St., Salt Lake
City 2, Utah
Turbine Co., 853 Nottingham
Way, Trenton 2, N. J.
Dello Products Co., 1109-11 First St., Lanett, Ala.
De Lava Cleaners & Dyers, 1017 S. Third St.,
Phoenix, Ariz.
Deming Co., Salem, Ohio
Deuney Tag Co., West Chester, Pa.
Demoiscon Mig. Co., 300 Howard St., Framingham,
Mass.

Denominator Co., 261 Broadway, New York, N. Y. Detecto Scales, Inc., 540 Park Ave., Brooklyn 5, N. Y. Mass.

Detex Watchclock Corp., 76 Varick St., New York 13, N. Y. Detroit Belt Lacer Co., 3951 A St., Detroit 16,

Mich.
Detrex Chemical Industries, Inc., 14331 Woodrow
Wilson Ave., P. O. Box 501, Detroit 32, Mich.
Detroit Stoker Co., General Motors Bidg., Detroit, Detroit Moker Co., 300 Phillips Ave., Toledo 1, Ohio Devoe & Raynolds Co., Inc., 44th St. & First Ave., New York, N. Y. Dewey-Shepard Boiler Co., 1311 N. Capital Ave., Indianapolis 2, Ind.
DeWitt Glove Co., 24865 Northwestern Highway, Detroit, Mich.
Diamand Alkali Co., 300 Union Commerce Bldg.,

Detroit, Mich.
Disment Alkali Co., 300 Union Commerce Bldg..
Cleveland 14, Ohio
Dismond Cham Co., Inc., 402 Kentucky Ave.,
Dept. 442, Indianapolis 7, Ind..
Dismond Chemical Co., 720 Clementine St., San Francisco 3, Cal.
Diamond Chemical Co., Inc., 84-02 Laurel Hill
Rd., Mappeth 78, N. Y.
Diamond Metal Products Co., 406 Market St., St.

Louis 2, Mo. amond T Motor Co., 4401 W. 26th St., Chicago Di 23, III.

23, III.

Diamond Wire Hanger Co., 252 State St., Clairton, Pa., pp., Great Lakes Carbon Corp., 612 S.

Flower St., Los Angeles 17, Cal.

Dico Co., 200 S. W. 16th St., Des Moines S., Iowa Diehl Mig. Co., Electrical Div. Singer Mig. Co., 1136 Finderne Ave., Somerville, N. J.

Diem & Wing Paper Co., Cilhert Ave. Viaduct.

Clincinnati 2. Ohio

Dillard Paper Co., 524 Ashe St., Greensboro, N. C.

Diperaft Mig. Co., 1238 Voskamp St., Pittsburgh 12, Pa.

Ditmas Carment Dyers Corp., 9528-30 Ditmas Ave., Brooklyn 12, N. Y.

Diveo Corp., 22000 Hoover Rd., Detroit S. Mich.

Diveo Copp., 20000 Hoover Rd., Detroit 5, Mich. Diveo Copp., 20000 Hoover Rd., Detroit 5, Mich. Divide Hanger Co., Subsidiary United Paper Co., Inc., 1000 Chartres St., New Orleans 16, La. Divo Co., 158 Central Ave., Rochelle Fark, N. J. Divon Beiler Works, 1625 Naud St., Los Angeles, Cal.

Cal.

Doctor Boiler, Inc., 4307 Main St., Dallas, Texas Dodge Div., Chrysler Carp., 7900 Jos. Campeau Ave., Detroit 31, Mich.

Dodson, Bruce, & Co., 28th & Wyandotte Sts., Kansas City 41, Mo.

Domnell Co., P. O. Box 84, St. Joseph, Mich.

Dover Stamping Co., 80 Federal St., Boston 10,

Mass.
Dow Chemical Co., 500 Main St., Midland, Mich. Draper-Eso Equipment Co., 110-112 E. Sixth St., Erie, Pa.
Dravo Corp., 500 Penn Ave., Pittsburgh 22. Pa.
Dravo Corp., 500 Penn Ave., Pittsburgh 22. Pa.
Drew, E. F., & Co., Inc., 15 E. 26th St., New York 10, N. Y.
Driair Process Machinery Co., Penn & Ruan Sts., Philadelphia 24, Pa.
Drico Industrial Corp., 29 Broadway, New York N. Y.

Dri Flo Mfg. Co., 642 E. Ten Mile Rd., Hazel Park, Mich.
Driscal Co., 251 Causeway St., Boston 14, Mass.
Dublife Collar Co., 268 Fourth Ave., New York 10, N. Y.
Duffen Dye Works, 2213 County St., Portsm. Va.

Dunaway, H. D., and Co., 22 - 16th St., N. W., Atlanta 9, Ga. unham-Bush, Inc., 179 South St., West Hartford, Con

Duo-White Co., S. Jefferson Rd., Whippany, N. J. Du Pont de Nemours, E. I., & Co., Inc., Wilming-ton 98, Del.

Dura-Lee Corp., 908 Broadway, Kansas City, Mo. Durant Mfg. Co., 1925 N. Buffum St., Milwaukee 1, Wisc. Dura-Tech Chemical Mirs., 126 25th Ave., San

Mateo, Calif.

Mateo, Calif.

Duro Envelope Co., 24 E. 22nd St., New York 10,
N, Y,

Dwyer, F. W., Mfg. Co., 317 S. Western Ave., Chicago 12, 1ll. Dyer Co., The, Box 699, Carrollton, Texas Dyo Chemical Co., 2200 S. Central Expressway, Dallas, Texas

E-Z Packaging Corp., 5101-15 N. Sheridan Rd., Chicago 40, Ill.

Barlo Belting & Leather Co., 1401 Central ParkWay, Cincinnati 14, 0his
Barlo Mg. Co., 25th & Charles Sts., Wellsburg,
W. Va.
Eastern Cyclone Conveyor System, Inc., 876 Van
Houten Ave., Clifton, N. J.

Easy Industries, 162 N. Clinton St., Chicago 6,

Batton Changing

Eaton Chemical & Dyestuff Co., 1490 Franklin St., Detroit 7, Mich.

St., Detroit 7, Mich.

Ebco Mig. Co., 401 W. Town St., Columbus, Ohio

Eclipse Fuel Engineering Co., 1100 Buchanan St.,

Rockford, Ill.

Rockford, Ill.

Eclipse Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.

Economy Hanger Machine & Equipment Co.,

3670 El Cajon Blvd., San Diego, Cal.

Economy Tablet & Paper Co., 667 W. 14th St.,

Chicago, Ill.

Econo-Pak Register Co., 1337 E. 27th St., Kansas

City & M.

City 8, Mo. lco Process Dry Cleaners, 166 N. Clinton Ave., Rochester 4, N. Y.

Rochester 4, N. Y.

Edelmath Mig. Chemists, 824 Alden Ave., New
Haven IS, Coan.

Edwards, Vincent, & Co., 342 Madison Ave., New
York I7, N. Y.

Edward Valves, Inc., Subsidiary Rockwell Mig.
Co., 1200 W. 145th St., East Chicago, Ind.

Egan Cotton Mills, 866 Murphy Ave., S.W., Atlants 4, Co.

lants 4, Ga.
Egry Register Co., 429 E. Monument Ave., Day-Ohio

ton 2, Onio
Eleco Div., International Mfg. Co., Inc., P. O.
Box 578, Garland, Texas
Electric Auto-Lite Co., Instrument & Gauge Div.,
Champlain St., Toledo I, Ohio
Electric City Dyeing Co., 309 Glonn St., Scranton,
Pa.

Electric Steam Boiler Sales, Div. Wolf Co., Wolf Ave., Chambersburg, Pa.
Electric Storage Battery Co., 42 S. 15th St.,
Philadelphia 2, Pa.
Electro Chemical Engineering Co., Inc., P. O.
Box 27, Bremen Station, St. Louis 7, Mo.,
Electro Lift, Inc., 30 Church St., New York 7,
N. V.

Electro Lift, Inc., 30 Church St., New York 7, N. Y. Elgin Softener Corp., 150 N. Grove Ave., Elgin, Ill.

Illiott Addressing Machine Co., 143 Albany St., Cambridge 39, Mass. Elliott Co., Crocker-Wheeler Div., Ampere, N. J. Elliott, Robert, Press, Juc., 345 Ludlow St.,

Stamford, Conn.
llis & Watts Products, Inc., P. O. Box 33, Cincinnati 36, Ohio Ellis Drier Co., 2444 N. Crawford Ave., Chicago 39, III.
Emery Industries, Inc., Sanitone Div., 4200 Carew
Tower, Cincinnati 2, Ohio
Empire Cardboard Corp., S. Main & Maple Sts.,
Warchouse Point. Conn.

Marchouse Point, Conn., S. Main & Maple Str., Empire Cleaning & Dyeing Works, 622 Hollen-beck St., Rochester 5, N. 7. Endriss Chemicals, 946 N. Delaware Ave., Phila-delphia 23, Ph.

Engineering & Production Specialties, 75 Blanch-

Engineering of Production Speciations, 10 Distributed and St., Jamestown, N. Y.

Epatein's Edoo Process Dry Cleaners, 106 N. Citation Ave., Rochester, N. Y.

Equitable Paper Bag Co., Inc., 45-50 Van Dam St., Long Island City 1, N. Y.

Eric City Iron Works, 1422 East Ave., Eric, Pa.

Ernest, F. P., Mig. Co., 1112 St. Clair Ave., East St. Louis, Ill.

St. Louis, Ill.

Essick Mig. Co., 1950 Santa Fo Ave., Los Angeles 21, Calif.

Func & Co. Roy 991 Edgawater, Md.

Eure & Co., Box 221, Edgewater, Md.
Eureka Butten Co., 892 Broadway, New York S. N. 1. Everett Sales & Equipment Corp., 251 Third Ave., New York 10, N. Y. Ewing, R., & Sons, Inc., P. O. Box 454, Green Island, N. Y.

Excel Products Co., 533 W. Ninth St., Davenport, Excelsior Machinery Co., 6175 Vermont St., Detroit 8, Mich.

Fablok Mills, Inc., 46 Cordier St., Irvington, N. J. Chicago 15, Ill. Fabricon Co., 8342 S. Prairie Ave., Chicago 19, Ill. Fafnir Bearing Co., Booth St., New Britain, Conn. Fairbanka Co., 393 Lafayette St., New York 3, Pairbanks Morse & Co., Fairbanks Morse Bldg., 800 S. Michigan Ave., Chicago S. III. Fairfield Laboratories, Plainfield, N. J. Fairfield Laboratories, Plainfield, N. J. Fastik Co., 1108 W. Erie St., Chicago 22, III. Fasty, Inc., 1183 Jefferson Ave., Buffalo, N. Y. Federal Motor Track Co., 5780 Federal Ave., Patrol. Mich. Federal Motor Truck Co., 5780 Federal Ave., Detroit, Mich. Fielden Instrument Corp., 2920 N. Fourth St., Philadelphia, Fa.

Filtrol Corp., 3250 East Washington Blvd., Los Piredly Asbestos Products Co., 175 Bergen St., Newark 3, N. J. Fischer & Parter Co., Hatboro, Pa. Fisher Dye Works, 1813 Emmanuel St., Houston,

Fisher, Henry, Replacement Service, P. O. Box 8082, Memphis 4, Tenn. Fiske Bros. Refining Co., Lubriplate Div., 129 Lockwood St., Newark 5, N. I. Flash Fast Marker Co., 994 Dover Ave., Akron 20, Ohio

20, Ohio Picetwood-Airflow Div., E. L. Chrisman Co., 8255 Compton Ave., Los Angeles 1, Cal. Fleischer Mills, Inc., 316 E. Fifth St., Cincinnati 3, Ohio

2, Ohio etcher Works, Inc., Glenwood Ave. & Second St., Philadelphia 40, Pa. araible Steel Lacing Co., 4607 Lexington St., Chicago 44, Ill. Fletcher

Flexonics Corp., 1315 S. Third Ave., Maywood, Flintkote Co., 30 Aockefeller Plaza, New York 20,

N. Y. Flow-Master Machine Corp., 634 Dean St., Brook-lyn 38, N. Z. Flynn & Emrich Co., 301 Holliday St., Baltimore

2 Md.
Pord. Luther, & Co., 100 N. Seventh St., Minne-apolis 3, Minn.
Ford Div., Ford Motor Co., P. O. Box 658, Dear-horn. Mich.
Ford Tank Maintenance Co., Inc., 715 E. 136th St., New York 54, N. Y.
Formula Controls, Inc., 612 W. 28th St., Chicago 16, 111.

16, iii.
Forse Corp., 1500 W. Second St., Anderson, Ind.
Foster-Stephens, Inc., 310 S. Christiana Ave., Chi-

Foster-Stephens, Inc., 310 S. Christiana Ave., Chicago 24, Ill.
Pozboro Co., 38 Neponset Ave., Foxboro, Mass.
Franklin Mig. Co., 2615 E. Franklin Ave., Minneapolis 6, Minn.
Franklin Research Co., 5134 Lancaster Ave.,
Fhiladelphia 31, Fa.

Fhiladelphia 31, Pa.
Fre-Bir-Pac, Inc., 876 Van Houten Ave., Clifton, N. J.
Premont Rubber Co., 317 McFherson Highway, Fremont, Ohio
French Textile Co., 432 Ave. A., Rochester, N. Y.
French Unique Suede Cleaners, 7611 Melrose, Los Angeles, Calif.

ench Unique Suede Cleaners, 7611 Melrose, Los Angeles, Calif. eund, Freund & Co., Inc., 102 Franklin St.,

Freund, Freund & Co., Inc., 102 Franklin St., New York 13, N. Y.
Freydberg Bros.-Strauss, Inc., 419 Fourth Ave., New York 16, N. Y.
Frigidaire Div., General Motors Corp., 300 Taylor St. Dayton I. Ohio
Fry Bros. Co., 3600 Cardiff Ave., Cincinnati 9, Ohio.

Fry D. Ohio

Frye, E. B., & Son, Wilton, N. H. Fulton Boiler Works, Inc., Port & Jefferson St., Pulaski, N. Y. Funol Corp., 49-65 Van Dam St., Long Island City 1, N. Y. Fur Feel Corp., 231 Eagle St., Brooklyn 22, N. Y.

G & G Chemical Co., 704 W. Broadway, Hope-

General Electric Co., 1 River Rd., Schenectady 5.

General Electric Co., Air Conditioning Dept., 5
Lawrence St., Bloomfield, N. J.
General Electric Co., Lamp Dept., Nela Park.
Cloveland, Ohio
General Equipment Co., Highway 14 East, Owatonna, Minn.
General Luminiscent Corp., 732 S. Federal St.,
Chicago 5, Ill.
General Metals, Inc., 858 Goldsboro St., Greensboro, N. C.

General Metals, Inc., 858 Goldsboro St., Greensboro, N. C.
General Motors Corp., General Motors Bidg.,
Detroit 2, Mich.
General Pacific Corp., 1501 E. Washington Blvd.,
Los Angeles 21, Cal.
General Scientific Equipment Co., 27th & Huntingdon Sts., Philadelphia 32, Pa.
Gerber Mig. Co., 1602 W. Sixth St., Mishawaka.
Ind.

Germaclean, Inc., 431 Niagara St., Buffalo 1, N. Y. Germain's Inc., Twist-Ems Div., Los Angeles 21, Cal. Giant Wash, Inc., 903 E. Douglas, Wichita 2,

Kansas Gibraltar Fabrics, Inc., 254 - 36th St., Brooklyn 32, New York Gibraltar Products Co., 945 Atlantic Ave., Brook-

lyn 38, N. Y.
Gifford, H. M., Mig. Co., 2702 B St., Philadelphia
34, Pa.
Gilcor Mig. Co., Inc., 3 E. Paliade Ave., Englewood, N. J.,
Glamoren, Inc., 10 E. 44th St., New York 17,

Clearin Co., 1428 W. 3rd St., Cleveland 19, Ohio. Gliss'n Products Co., Inc., 11131 Michigan Ave.,

Chicago 28, Ill.
Globe Ticket Co. of New England, 620 Commonwealth Ave., Boston 15, Mass.
Globe Weaving Co., 17 N. State St., Chicago, Ill.
Glove Cleaning Service, 2132 W. 15th St., Cleveland, Ohio

Jana, Ohio Glover, Bill, Inc., 5204 Truman Rd., Kansas City 27, Mo. Golden-Anderson Valve Specialty Co., 1232 Ridge Ave., Pittsburgh 33, Pa. Goldman Mfg. Co., 13697 Elmira. Detroit 27, Mich.

Mich.
Goldman Pressing Machine Corp., 400 W. Broadway, New York 12, N. Y.
Goodrich, B. F., Co., 500 S. Main St., Akron 18,

Goodrich, B. F., Con, Oct.
Ohio
Goodyear Tire & Rubber Co., Akron, Ohio
Gorton Heating Corp., Cranford, N. J.
Goulds Pumps, Inc., 300 Fall St., Senoca Falls,
N. Y.

Graton & Knight Co., 356 Franklin St., Worcester Graton & Khight Co., 930 Frankini St., Wolcone 4, Mass. & Mfg. Co., Inc., 4809 Tod Ave., East Chicago, Ind.
Graves & Marshall Co., 720 E. Monument Ave., Dayton 2, Ohio Great Eastern Paper Converters, Inc., 38-60 Review Ave., Long Island City I, N. Y.
Greaves Machine Tool Co., 2001-17 Eastern Ave., Cincinnati 2, Ohio
Green A. P. Fire Brick Co., Mexico. Mo.

Greaves Machine Tool Co., 2001-17 Eastern Ave., Cincinnati 2, Ohio Green, A. P., Fire Brick Co., Mexico, Mo. Greenville Chemical Co., E. Stone & Bennett, P. O. Box 1087, Greenville, S. C. Greif Bros. Cooperage Corp., Wire Garment Hanger Div., Pennsylvania Ave., Deleware, Ohio

Ohio imes Co., 2900 Main St., Dallas I, Texas onauer, M. H., Co., 11 Nettleton, Memphis 2, Tenn Machinery Co., Inc., 742 Hertel Ave., Buffalo, N. Y. Gulf Oil Corp.-Gulf Relining Co., 3800 Gulf

Bldg., Pittsburgh 30, Pa.
mamed Tape & Devices Co., 1069 Rogers Ave.,
Brooklyn, N. Y. Gustin-Kramer Co., 74-80 Cummington St., Boston 15. Mass. Guth, Edwin F., Co., 2615 Washington Ave., St. Louis 3, Mo.

Hamilton Copper & Brass Works, 820 State Ave., Cincinnati 4, Ohio Hammel-Dahl Co., 247 Richmond St., Providence

3. R. I.
Hammond Laundry-Cleaning Machinery Co., 220
S. 2nd St., P. O. Box 1180, Waco, Texas

Handy Specialties, 9159 W. Pico Blvd., Los Angeles 35, Cal., Hanscom, H. F., & Co., 38 Hospital St., Providence 3, R. I.

Hapman-Dutton Co., 630 Gibson St., Kalamazoo

Hapman-Dutton Co., 630 Gibson St., Kalamazoo 6, Mich.
Harris Bros. Mfg. Co., Inc., 20-22 Grotan Ave.,

Cortland, N. Y.

Harrison, Robert D., Inc., 566 E. Warren Ave.,
Detroit 2, Mich.

Hauser-Stander Tank Co., 4838 Spring Grove
Ave., Cincinnati 32, Ohio
Laynes Stellite Co., Unit of Union Carbide &
Carbon Corp., 30 E. 42nd St., New York 17,
N. Y. N. Y. Hays Corp., 742 E. Eighth St., Michigan City, Ind.

Healy-Ruff Co., 2255 University Ave., St. Paul 4, Minn. Heinemann Electric Co., Pennsylvania Ave. & Plum St., Trenton 2, N. J. Heller, B., & Co., 3925 Calumet Ave., Chicago 15, III.

Hemingway & Bartlett Mfg. Co., 500 Fifth Ave.,

Hemingway & Bartlett Mfg. Co., 500 Fifth Ave., New York 35, N. Y.
Henzici, Fritz, Inc., Milton 87, Mass.
Henzy Hanger Co., af America, 450 Seventh Ave., New York 1, N. Y. Boston 26, Mass.
Henzy Hanger Co. of America, 450 Seventh Ave., New York 1, N. Y. Lepping's Suede & Leather Cleaning, 3469 W. Fourth Ave., Denver, Colo.
Hercules Laundry, Machiner, Co., Jinc., 132–36
W. 124th St., New York 27, N. Y. Wilming-ton 99, Del.
Herman Body Co., 4400 Clayton Ave., St. Louis 10, MG.
Hettrick Mfg. Co., 1401 Summit St., Toledo 12, Ohio.

Ohio Ohio Chemical Specialties Div., 1760 N. Howard St., Philadelphia 22, Pa. Hild Floor Machine Co. Inc., 1217 W. Washington Blvd., Chicago 7. Ill. Hinz Needle Co., 10018 S. Rhodes Ave., Chicago 26, III

28, 111.
hi Tone Soap Co., Randolph, Neb.
Hobade Associates, 22 Kirkpatrick St., New Brunswrick, N. J.
Hodge, Parwell & Co., Peoria, Ill.
Hodges Jack, Specialty Co., 1529 Westheimer Rd.,
Houston 6. Texas
Hoffman, U. S. Machinery Corp., 103 Fourth
Ave., New York S. N. Y.
Hollingsworth & Vose Co., 112 Washington St.,
East Walpole, Mass.
Hold Mig. Co., 651.81 20th St., Oakland 12, Cal.
Hood Chemical Co., Inc., 30 Rittenhouse Fl.,
Ardmore, Pa.,
Hoff Products Co., 6543. S. Laramin Ave. Chinago.

Hood Chemical Co., Inc., 30 Rittenhouse Pl., Ardmore, Pa. Hoof Products Co., 6543 S. Laramie Ave., Chicago

38, Ill. Hooker Electrochemical Co., Niagara Falls, N. Y. Hooper, Wm. E., & Sons, Woodberry, Baltimore, Md.

Hope Chemical Corp., 545 Mineral Springs Ave., Fawtucket, R. I.

Hope Webbing Co., Providence 1, R. I.

Hopkins Equipment Co., 68 Maple Ave., Hatfield, Fa.

Fa. A. C., Co., Inc., 10th St & 44th Ave., Long Island City 1, N. Y.
Long Island City 1, N. Y.
Horwath Laundry Machine Mig. Co., 1002 S.
13th St., Omaha, Neb. eena Siga Co., Inc., N.
14th at Taylor, Herrin, Ill.
Howe Scale Co., Rutland, Vt.
Hoyt Mig. Corp., Forge Rd., Westport, Mass.
Hub Printing Services, 320 N. Euclid Ave., Oak
Park, Ill.

Park, III. Hubinger Co., 801 Main St., Keokuk, Iowa Hudson Fur Cleaning Co., 106 Cranston St., Providence, R. I. sebsch Originators, 3775 N. Holton St., Milwau-kee I Wice

Hughes Co., 10 East 39th St., New York 18, N. Y. Hughes Co., 10 East 39th St., New York 18, N. Y. Hungerford & Terry, Inc., 226 Atlantic Ave., Clayton, N. J. Huntington Laboratories, Inc., 970 E. Tipton St., Huntington Laboraumes, they will be reposed on, Ind.
Huntington, Ind.
Hunon Milling Div., Hercules Powder Co., Delaware Trust Bidg., Wilmington 99. Del.
Hutchinson Products Co., The, 331 Negley Ave.,
Butler, Pa.
Hydraxtor Co., 3500 Touhy Ave., Chicago 45, Ill.
Hygrade Button & Supply Co., 19 W. 34th St.,
New York 1, N. Y.

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H. & A. Sizing Co., 323 N. Loomis, Chicago 7, Ill.
Hachik Bleach Co., Wynnfield Ave., Philadelphia
31, Fa.
Haertel, Walter, Co., 2840 Fourth Ave., S.,
Minneapolis 8, Minn.
Hagan Corp., 323 Fourth Ave., Pittsburgh 22, Pa.
Hall, Amos H., & Sons, 5500 N. Water St., Philadelphia 20, Pa.
Hall Mig. Co., Brookline, N. H.
Hamilton Caster & Mig. Co., 1637 Dixie Highway, Hamilton, Ohio

Handy Button Machine Co., 2255 S. Rockwell St., Chicago 8, Ill.

ideal Cleaners, 226 E. Pike's Peak Ave., Colorado Springs, Colo. Ideal Industries, Inc., Park Ave., Sycamore, III. Ideal Lighting Co., 2219 63rd St., Kenosha, Wisc, Ideal Stencil Machine Co., 102 Iowa Ave., Belle-ville, III.

ville, III. Identification, Inc., 512 S. Peoria St., Chicago 7, III.

Ilg Electric Ventilating Co., 2850 N. Crawford Ave., Chicago 41, Ill.

well, Va.

GMC Truck & Coach Div., General Motors Corp.,
680 South Blvd., E., Pontiac II, Mich.
Gabriel Boiler & Fabrication Co., 1428 N.W.
14th Avo., Fortland 9, Orc.
Gardner-Denver Co., Gardner Dr., Quincy, Ill.
Gardner Machinery Corp., N. Andrill Terrace &
Seaboard Railway, Charlotte I, N. C.
Garment Finishing Equipment Corp., 18 Brattle
St., Cambridge 38, Mass.
Carment Hanger Co., 2624 Geraldine St., Los
Angelez 11, Cal.
Gasway Corp., 6463 N. Ravenswood Ave., Chicago
98 III. 26, Ill. Gates Rubber Co., 999 S. Broadway, Denver 17, Colo. Gaylord Container, Div. Crown Zellerbach Corp., 111 N. Fourth St., St. Louis 2, Mo.
General Aniline & Film Corp., Special Products
Sales Div., 444 Madison Ave., New York 22, N. Y.

General Boller Equipment Carp., 2651-53 Gravois
St., St. Louis 18, Mo.

General Chemical Div., Allied Chemical & Dye
Carp., 40 Rector St., New York 8, N. Y.

General Clarifler Corp., 103 Park Ave., New York

17.8 General Clarifier Corp., 841 E. 43rd St., Brooklyn

10, N. Y. meral Cleaners Products Co., 410 N. Kedzie Ave., Chicago 12, Ill. Ceneral Control Co., 1200 Soldiers Field Rd., Boston 34, Mass. General Detroit Corp., 2272 E. Jefferson St., De-

troit 7, Mich.

General Dyeing Co., 818 Dorman St., Indianapolis 2, Ind. General Dyestuff Corp., 435 Hudson St., New York 14, N. Y.

Illinois Laundry Machinery Mfg. Co., 3128 W. Lake St., Chicago, Ill. Imperial Dye House, 3421 Tulane Ave., New Orleans 19, La. Indiana Dye House, 122-126 State St., Hammond. Indiana Mfg. Co., 1900 E. Main St., New Albany, Ind. dustrial Equipment Co., 361 N. Ada St., Chi-cago I, Ill. cago I, Ill.
Industrial Grain Products, Ltd., 741 Talbot St., London, Cot., Can.
London, Ltd., Philadleo, Inc., P. O. Box 5033, Tuscon, Ariz.
Lagersell-Rand Co., 11 Broadway, New York 4.
N. Y. Ink-O Products Co., 5101 Monte Vista St., Los Ink-O Products Co., 5101 Monte Vista St., Los Angeles 42, Cal.
Innis, Speiden & Co., 117 Liberty St., New York 6, N. Y.
Intercontinental Mfg. Co., Inc., P. O. Box 578, Garland, Texas International Boller Works Co., 500 Birch St., East Stroudsburgh, Pa.
International Engineering, Inc., 1145 Bolander Ave., Dayton I, Ohio International Harvester Co., 180 N. Michigan Ave., Chicago I, Ill. International Metal Polish Co., 1910 Quill St., Indiangolis 7, Ind. International Nickel Co., Inc., 67 Wall St., New York S. N. Y.
International Paper Co., Southern Kraft Div., 220 E., 42nd St., New York 17, N. Y. International Paper Co., Southern Kraft Div., 220 E. 42nd St., New York 17, N. Y.
International Register Co., 2620 W. Washington International Salt Co., Scranton 2, Pa.
International Tag & Salesbook Co., 3450 W. Division St. Chicago St. III. sion St., Chicago 51, Ill.
International Ticket Co., 50 Grafton Ave., New-ark 4, N. J.
International Wire Hanger Mig. Co., 2128 W. International Wire Hanger Mig. Co., 2128 W. Lake St., Chicago 12, Ill.
Invisacible Viscour Cleaner Mig. Co., 14th & Davis St., Louve Cleaner Mig. Co., 14th & Davis St., Louve Cleaner Mig. Co., 14th & Falls. Texas
from Exchange & Chemical Corp., 40-50 Leonard St., New York 13, N. Y.
Iowa Soap Co., 816 Valley St., Burlington, Iowa Freeman Mig. Co., 8170 W. 100th St., Cleveland 11, Ohio
Iselin-Jefferson Co., Inc., 90 Worth St., New York 13. N. Y.

Jacobson, Lawrence, Dye Works, Inc., Oxford Ave., Summerdale & Comly Sts., Philadelphia Jacobson, Lawrence, Dye Works, Inc., Oxford Ave., Summerdale & Comly St., Philadelphia 24, Pa. Jackson, Samuel Mig. Co., 2518 Erskine St., P. O. Box 5007, Lubbock, Texas Jay-Dee, Inc., Mig. Chemists, 946 Kenmore Blvd., Akron 14, Ohio Jayson's, Div. Jayson Silk Mills, 5425 Wyalusing Ave., Philadelphia 31, Pa. Jefferson Island Sak Co., Inc., Jefferson Island Bidg., 136 St. Matthews Ave., Louisville 7, Kv. Ky. J.G. Chemists, 4368 Delmar, St. Louis 8, Mo. Jensen Mig. Co., Broad St., & Hylton Rd., Pal-myra, N. J. myra, N. J.

Johns-Manville, 22 E. 40th St., New York 16,
N. Y.

Johnson Chemical Industries, Inc., 99 Mellor Ave.,

Baltimore, 98 M. hason Corp., 855 Wood St., Three Rivers, Mich. hason Metal Hose, Inc., 10 Sperry, Waterbury 20, Conn. Baltimore 28, Md. 20, Conn. Johnson, S. C., & Son, Inc., Racine, Wisc. Johnson, S. C., & Son, Inc., Racine, Wisc. Johnson, W. F., Products Co., 309 Joliet Ave., San Antonio 9, Texas, Johnson Bros., Inc., 100 Pine St., Ferrysburgh 1, Mich. Johnson & Jennings Co., Div. Pettibone-Mulliken Corp., 6917 Bessemer Ave., Cleveland 27, Ohio Jonnac Inc., 6128 N. Woodstock St., Philadelphia 58, 28, 27, 6013 Wiche Rd., Ginckmatt 13, Ohio Juno Cleaner Supplies, Inc., 832 Wythe Ave.,

K

K & K, Inc., 18 Sutton St., Lawrence, Mass. Kaleen Chemical Corp., 241 Church St., New York 11 N V York 11, N. Y.

Kandu Chemicals, Inc., 312-7th Ave., New York Kato L Minn I, N. Y. to Engineering Co., 1415 First Ave., Mankato, Kaycrest Products, 1426 W. 3rd St., Cleveland

Kaye & MacDonald, Inc., 11-15 Central Ave., West Orange, N. J. Keckly, O. C., Co., 400 W. Madison St., Chicago seler, E., Co., 238 West St., Williamsport 3, Pa. sever Starch Co., 538 E. Town St., Columbus 15, Ohio Kee Zipper Corp., 541 W. 34th St., New York 1, Reliey Corp., 541 W. 34th St., Rew 10th St., Remory Softener & Filter Co., 3322-24 Montrose Ave., Chicago 45, III. Kent Co., Inc., 244 Canal St., Rome, N. Y. Kentucky Box & Truck Co., Fourth & Alvasia Sts., Kentucky Box & Truck Co., Fourth & Alvasia Sts., (P. O. Box 463), Henderson. Ky.
Kewance Boller Corp., Franklin St. & Q Tracks, Kewance, Ill.
Keyes-Davis Co., 74 14th St. Battle Creek, Mich.
Keyes-Davis Co., 74 14th St. Battle Creek, Mich.
St. (1400 W), Chicago 7, Ill.
Keytone Chemical Co., 2019 Genter St., N. W.,
Cleveland 13, Ohio 2019 Genter St., N. W.,
Cleveland 13, Ohio Mfg. Corp. & Keystone
Scent Conditioner Corp., 315 N. 12th St., Philadelphia 7, Pa.
Keystone Laundry Machinery Co., 411 N. Faulina.
Chicago 22, Ill.
Keystone Paper Box Co., S. Main & Maple Sts., Keystone Paper Box Co., S. Main & Maple Sts., Warehouse Point, Conn.
Keystome Tag Co., West Chester, Pa.
Key-Tag Checking System Co., 6509 Hough Ave., Cleveland 3, Ohio Kidde, Walter, & Co., Inc., 875 Main St., Belle-ville 9, N. J. Ville 9, N. J.
Kirk & Blum Mig. Co., 3120 Forrer St., (Oakley),
Cincinnati 9, Ohio
Cincinnati 9, Ohio
Los Angeles, Calif.
Los Angeles, Calif. Los Angeles, Calif. Kirk's Suede & Leather Cleaners, 1731 W. Fulton St., Chicago 12, III.

Kisco Boiler & Engineering Co., 2414 De Kalb St.. St. Louis 4, Mo. Kleanmore Laboratories, Inc., 1926 N. Franklin Ave., Flint. Mich. Kleentest Laboratories, 940-950 Ohio River Blvd., Pittsburgh 2, Pa. etnick, L., & Co., 8342 S. Praire Ave., Chicago etnick. 19, III. Klipfel Mfg. Co., 1000 Weller Ave., Hamilton, Chio Knight, Maurice A., Settlement, Akron 6, Ohio Knitted Padding Co., 105 Chapman St., Canton, Mass. Kohnstamm, H., & Co., Inc., 83-93 Park Pl., New York 7, N. Y. Kol Master Corp., P. O. Box 111, Oregon 1, Ill. Kordite Co., Div. Textron Inc., Main St., Macedon, Kran-Mer Corp., 2433-35 N. Third St., Milwaukee 12, Wisc.

Krasan Products, Inc., 1230 Edward St., P. O.
Box 1166, Richmond 1, Cal.

Kresky Mfg. Co., Inc., 307 Third St., Petaluma, Cal. Krevit, H., & Co., Inc., 11 Albert St., New Haven 11, Conn. Kunkle Valve Co., 119 S. Clinton St., Fort Wayne Kwik-Kover Sales Co., 410 N. Kedzie Ave., Chi-cago 12, Ill.

Labor Miser Co., 109 S. Third St., Ponca City. Laclede Stoker Co., 4438 Hunt Ave., St. Louis 10. Mo.
La France Dye House, 7606-22 Carnegie Ave., Cleveland 3, Ohio
Laidlaw, W. A., Wire Co., Peoria, ill
Lakewood Mig. Co., 25039 Center Ridge Rd., Westlake, Ohio
Lailly, R., Co., 1729 Greenleaf Ave., Chicago 26, Ill. ambooy Label & Wrapper Co., 2129 Portage St., Kalamazoo 29F, Mich. Amson Corp., Lamson St., Syracuse 1, N, Y. Lame, W. T., & Bros., Inc., Prospect St., Pough-keepsie, N, Y. Lane, W. T., & Bros., 180., 110., keepsie, N. Y.
Lanning Bag & Specialty Co., 205 Front St., Harvard, Ill.
Lano Lustre Sucde & Leather Co., 1731 Fulte
Chicago 12, Ill. Larick Mfg. Co., 287 Broadway, New York, N. Y. Larton Co., 4234 Third Ave., New York 57, N. Y.

MANUFACTURERS

Lathern Time Recorder Co., 76 Third St., N. W.,
Atlanta 8, Ga.,
Atlanta 9, Ga., Leathers', L. M., Sons, 675 Pulaski St., Athens, Ga. Leebaw Mfg. Co., 65 Wayne Ave., Youngstown 2, Ohio Lee Converters, Inc., 28 W. 23rd St., New York 10, N. Y. Leef Bros., Inc., 205 Irving Ave., N. Minneapolis 5, Minn. & Co. 426 East St., Springfield 99, Ohio Leprechaun, Inc., 475 Fifth Ave., New York 17, N. Y. Le Roi Div., Westinghouse Air Brake Co., Milwauke I. Wisc. wauke I. Wisc. Lestie Co., 297 Grant Ave., Lyndhurst, N. J. Lestoil Inc., Subs. Adell Chemical Co., 51 Gar-field St., Holyoke, Mass. Lever Bros. Co., 390 Park Ave., New York 22. N. Y. N. Y.
Lewis, G. B., Co., 926 Montgomery St., Water-town, Wisc.
Lewis Invisible Stitch Machine Co., 129 W. 23cd St., New York, N. Y.
Lewis National Corp., 1 Mt. Vernon St., Dor-chester 25, Mass. chester 25, Mass. Lewis-Shepard Products, Inc., 307 Walnut St., Lewis-Shepard Froducts, Inc., 307 Walnut 3t., Watertown 72, Mass.
Liberty Marking Tag Co., Inc., 27 Hooper St., Brooklyn 11, N. Y.
Lieberman, B & G., Co., Inc., 1011 Sewickley Drive, Charlotte 3, N. C.
Limcoln Bag Co., Inc., 4200 W. Schubert Ave., Chicago 39, Ill.
Lincoln-Hudson Rug Dyers, Inc., 900 Passaic Ave., East Newark, N. J.
Lincoln Research, Inc., 3250 Montrose St., Toledo 6, Ohio o, Onio Lincoln Rug Co., Inc., 85 Springdalo Avo., New-ark, N. J. Lincoln-Schluetter Floor Machinery Co., Inc., 512 Lincoin-Scaluerter Floor Macamery Co., Inc., 512 S. Peoria St., Chicago, Ill. Lindy Sales Co., 9001 W. Jefferson Blvd., Culver City, Ca., Linen Suppliers Advertising Corp., 175 Fifth Ave., New York 10, N. Y. Link-Bebt Co., 307 N. Michigan Ave., Chicago 1. Linn Coach & Truck Div., Great American Industries, Inc., 443 Chestnut St., Oneonta, N. Y. on Uniform Co., 209 S. Jefferson, Dayton 2, Little Frenchman's Dye Works, 921 N. 25th St., Waco, Texas Livingstone Engineering Co., 100 Grove St., Worcester 5, Mass. Worcester 5, Mass. Loebl Dye Works, Inc., Roanoke, Va. Lookout Boiler & Mig. Co., Manufacturers Rd., Chattanoga 1, Tenn. Loroco Industries, Inc., 203 E. Benson St., Reading 15, Ohio
Los Angeles Soap Co., 617 E. First St., Los Angeles, Cal. Jowe Machinery Co., 1402 Broadway, Fairfield, Loyal Textile Machinery Corp., 280 Scholes St., Brooklyn, N. Y. Lubbock Machine Co., Inc., Box 1138, Lubbock, Lucas, Claude E., Associates, 890 E. Colorado, Pasadea, Cal.
Lucas Products Curp., 3839 Sets Ave., Toledo 12. Obio
Ludell Mig. Co., 5200 W. State St., Milwaukee 8, Ludell Mig. Co., 5200 W. State St., Milwaukee 8, Wisc.
Luecke Drapery Fleating Machine Co., 4831 N. Western Ave., Chicago 25, Ill.
Lunkenheimer Co., P. D. Box 360, HH. Cincinnati 14. Ohio
Luse, Wm. K. & Co., Lakeview, Ohio
Lustrol Drycleaning Products Co., 1600-16th St., San Francisco J. Cal.
Lynch, John P., Co., 4702 E. Soth St., Los Angeles 58, Cal.

Me

McBee Co., 295 Madison Ave., New York, N. Y. McCleary Brothers, Inc., 147 Auction St., Mem-McCleary Brothers, Inc., 147 Auction St., Mom-phis, Tean. McDonnell & Miller, Inc., 3500 N. Spaulding Ave., Chicago 18, Ill. McElmoyl, W. J., Co., 63 Church St., Groveville, N. I. McLay, Walter J., 1105 N. Water St., Milwaukee 2, Wisc.

M & B Metal Products Co., 4415 Morris Ave., Birmingham, Ala.
M-H Standard Co., 518 Communipaw Ave., Jersey
City 4, N. J.
M & M Chemical Co., 1559 W. Main St., Willimantic, Conn.

Maas, A. R., Chemical Co., Div. Victor Chemical
Works, 4570 Ardine St., South Gate, Cal,
MacCarl Co., Inc., 4342 Fearl Rd., Cleveland 9, Ohio MacDonald Services, 8519 Germantown Ave., Philadelphia 18, Pa. ack Trucks, Inc., 350 Fifth Ave., New York 1. Mackler, B., & Sons, 155 W. 27th St., New York 1, n Products Co., 105 16th St., Toledo 2, Magic Plastic Co., Ltd., 310 W. 93rd St., New North N. Y.
Magic Re-Weaving Service, 28 W. Second St.,
Salt Lake City, Utah
Magic-Seal Paper Products, P. O. Box 1766, Denver 1, Colo. Magic-Seal Paper Products, r. W. McNichols Rd., ver l. Colo. ver l. Colo. Magic Textile Weavers, 948 W. McNichols Rd., Magic Textile Weavers, 948 W. McNichols Rd., Magic Textile Weavers, 948 W. McNichols Rd., very large Detroit 3, Mich.
Magdine, Inc., Penconning, Mich.
Majortic Paper & Twine Co., Inc., (Laundry &
Drycleaning Supply Div.), 155 Imlay St., Brooklyn 31, N. Y.
Malleable Iron Fittings Co., Branford, Conn.
Mallinckrout Chemical Works, Second & Mallinckrodt Sts., St. Louis 7, Mo. anitowoc Cotton Goods Mig. Co., 909 York St., Manitowoc, Wisc. Manitowo Catton Goods Mig. Co., 500 Tol. Manitowo Catton Goods Mig. Co., 500 Tol. Manitowo Engineering Corp., South 16th St., Manitowo Chemical Corp., 225 Warwick St., Buffalo 15, N. Y. Marion Machine Foundry & Supply Corp., 90 West St., New York, N. Y. Marion Mag. Co., Inc., P. O. Box 162, Station A, Atlanta, Ga. Market Industries, Inc., 1900-16th St., San Francico J., Cal. Carp., 17 W, 60th St., New York 23, Lack A. Carp., 17 W, 60th St., New York 23, Mark-O Corp., 17 W. 60th St., New York 23, Mark-Tex Corp., 453 W. 17th St., New York 11, N. Y. Marlow Pumps, Div. Bell & Gossett Co., Box 200, Midland Park, N. J. Maryla Chemical Co., Inc., P. O. Box 407, Lake-view, Ohio Mar-Mak Machinery Mfg. Co., 626 N. Logan Ave., Danville, III Mar-Mak Machinery Mfg. Co., 628 N. Logan Ave., Danville, Ill. Marmon-Herrington Co., Inc., 1511 W. Washing-ton St., Indianapolis 7, Ind. Marsh, Jan. P., Curp., 2073 Southport Ave., Chi-cago 14, Ill. Marshall Co., 4350 N. Pulaski Rd., Chicago 41, Ill. Ill.
Marishi Henter Co., 716-26 E. Monument Ave.,
Dayton 2, Ohio
Martens Chemical Corp., 243 Cliaton Ave., Kings-Martens Chemical Corp., 243 Clinton Ave., Amgaton, N. Y.
Martin Equipment Co., Div. American Laundry
Machinery Co., 5000 Section Ave., Cincinnati
12, Ohio
Martin Fan & Blower Co., 4632 W. 21st Pl.,
Chicago 50, Ill.
Martin, Reba, Inc., 4201 N. W. Second Ave.,
Marvella Corp., 2019 Center St., N. W., Cleveland 13, Ohio
Mason-Neilan Regulator Co., 1190 Adams St.,
Socton 24, Mars.
Matter Builders Co., 7016 Euclid Ave., Cleveland
3, Ohio Master Builders Co., 7016 Euclid Ave., Cieveianu 3, Ohio
Master-Bilt Refrigeration Mfg. Co., 920 Palm St.,
St. Louis 7, Mo.
Master Geo, Div., Ligonier, Ind.
Master Machinery Co., Anderson, Ind.
Master Mfg. Corp., 119 Main St., Sioux City, Iowa
Master Mfg. Corp., 119 Main St., Sioux City, Iowa
Master Mfg. & Equipment Co., 3000 St. Louis,
Fort Worth I, Texas.
Master Products Co., 7000 S. Wentworth Ave.,
Chicago 21, Ill.
Maxant Button & Supply Co., 117 S. Morgan St.,
Chicago 7, Ill.
Maytag Co., Newton, Iowa
Mazzolla Spiroll Sales Corp., 2464 Raieigh Dr.,
York, Pa. York, Pa. ead, George E., Co., 11240 S. Arroyo Dr., Whittier, Cal. Mears-Kane-Ofeldt, Inc., P. O. Box 223, Bridgeport, Pa. Medalie Mfg. Co., 213 First Ave., N., Minneapolis I, Minn. Meese, Inc., 108 St. Michaels Ave., Madison, Ind. Detroit 12, Mich. Ave., Detroit 12, Mich.
Mehl Mig. Co., 2057 Reading Rd., Cincinnati 2, Ohio Melody Cleaners, 500 W. Grand, Oklahoma City, Okla. Memphis Hanger Co., 14th & P. & L. E. R. R., Monaca, Pa. Menasha Wood Split Pulley Co., 674 Tayco St., Menasha, Wisc.

Mendex Corp., 2300 Payne Ave., Cleveland 14, Ohio

Mercury Cleaning Systems, Inc., 1817 Benson Ave., Evanston, Ill. Merson Products Co., 63 Essex St., Jossey City 2, N. J.

Metalweld, Inc., 24th & Hunting Park Aves., Philadelphia 29, Pa., Metropolitan Body Co., 151 Kossuth St., Bridge-port 8, Conn. Mexico Refractories Co., Love & Cole Sts., Mex-ico, Mo. Meyercord Co., 5323 W. Lake St., Chicago 44, III.
Middlesex Paper Tube Co., Inc., 345 Chelmsford
St., Lowell, Mass. Middlesex Paper Tube Co., Inc., 345 Chelmsford St., Lowell, Mass.
Midland Color & Chemical Co., 15 Greene St., Jersey City 2, N. I.
Midland Paint & Varnish Co., 3828 E. 91st St., Cleveland 5, Ohio
Midwest Hanger Co., 2100 Guinotte Ave., Kansas City 20, Mo., Midwest Machinery Co., Box 709, El Reno, Okla.
Miller Laundry Machinery Co., 8341 Lyndon Ave., Detroit 21, Mich.
Milwaukee Leather Belting Co., 2114 N. Water St., Milwaukee 2, Wisc.
Milwaukee Friated String Co., 2604 W. Fond du St., Milwaukee 2, Wisc.
Milwaukee String Co., 201 N. Braddock Ave., Fittsburgh 8, Fa.
Minneapolis-Honeywell Regulator Co., 2753
Fourth Ave., S., Minneapolis, Minn.
Minneatot Chemical Co., 2255 Hampden Ave., St., Paul 4, Minn.
Minneatot Chemical Co., 2255 Hampden Ave., St., Paul 4, Minn.
Minneatot Mining & Mig. Co., 900 Bush St., St. Paul, Minn. Faul, Minn.

Mitchell, J. B., Co., 4916-28 W. Jefferson Blvd.,
Los Angeles 18, Cal.

Medine Mig. Co., 1557 De Koven Ave., Racine,
Wisc.

Mohawk Rubber Co., 1235 Second Ave., Akron
5, Ohio

Monarch Engineering Co., 500 Linden Ave., Dayton 3, Ohio onite Co., Inc., 4510 Hampton St., St. Louis, Mo. Monix Co., 277 Greenbay Rd., Wilmette, Ill. Mouroe Calculating Machine Co., Inc., 555 Mitchell St., Orange, N. J. Monroe Co., Inc., 10703 Quebec Ave., Cleveland Monroe Co., luc., 10/00 Quenec river, Solidario, 6, Ohio Montpelier Mig. Co., Montpelier, Ohio Moore Business Forms, Iac., 900 Buffalo Ave., Niagara Falls, N. Y. Moore Co., 800 S. Missouri Ave., Marceline, Mo. Moore's Time-Saving Equipment, Inc., 1934 Sterling Ave., Elkhart, Ind. Morehead Mig. Co., 2455 W. Warren Ave., Detroit 8, Mich. Morey Seldin Machinery Corp., 5999 E. 56th, Indianapolis, Ind. troit 8, Mich., Morey Seldin Machinery Corp., 5999 E. 56th, Indianapolis, Ind. Morheat Corp., 700 E. Kalamazoo St., Lansing 12, Mich., Morse Mig. Co., Inc., 122 Dickerson St., Syracuse 2, N. Y. Moser Bag & Paper Co., 3049 E. 55th St., Cleveland 27, Ohio Mount Vernon Mills, Inc., 40 Worth St., New York, N. Y. Mulholland-Harper Co., 5820 Tacony St., Philadelphia 24, Pa. Multi-Counter Mig. Co., 401 Broadway, New York Multi-Counter Mig. Co., Total Mosco., 13, N. J., Mig. Co., 1002-24 Third St., Marray, D. J., Mig. Co., 1002-24 Third St., Wausau, Wisc.
Matual Paper Box Co., Inc., 510 W. 27th St., New York J. N. Y.
Myer, Henry, Thread Mig. Co., 319 W. Van-Buren St., Chicago 7, Ill.

N

Nagel Coat Hanger Co., 1200-18 Oliver St., Houston 7, Texas
Namco Chemical Corp., 4765 Bellevue Ave., Detroit 7, Mich.
Nashua Corp., 44 Franklin St., Nashua, N. H.
Nashua Corp., 44 Franklin St., Nashua, N. H.
Nashua Carp., 44 Franklin St., Nashua, N. H.
Nashua Extile Co., Empire State Bldg., New York
1, N. Y.
National Airol Burner Co., Inc., 1284 E. Sedgley
Ave., Philadelphia 34, Pa.
National Aluminate Corp., 6233 W. 66th Flace,
Chicago 38, Ill.
National Aniline Div., Allied Chemical & Dye
Corp., 40 Rector St., New York 6, N. Y.
National Boiler Protector Co., 928 Reibold Bldg.,
Dayton 2, Ohio
National Bundle Tyer Co., Dept. 10, Blissfield,
Mich.
National Bundle Tyer Co., Main & K Sts., Dayton
9, Ohio
National Caehers Chemical Mfg. Co., 2809 W.
Lake St., Chicago 12, Ill.
National Cleaners Chemical Mfg. Co., 2809 W.
Lake St., Chicago 12, Ill.
National Combustion Co., 101-06 43rd Ave.,
Corona 68, N. Y.
National Dre House, 5812 W. Washington Blvd.,
Culver City, Cal.

National Dye Works, Inc., 3513 Washington Blvd., Baltimore 22, Md. National Engineering & Mfg. Co., 16th & Lamine, Sedalia, Mo. National Hatters Supply Co., Inc., 81 W. Van Buren St., Chicago 5, Ill. National Indemnity Exchange, 3820 Washington Blvd., St. Louis 8, Mo. National Institute of Drycleaning, Silver Spring, Md. Mrd Md.
National Life Insurance Co., Montpelier, Vt.
National Marking Machine Co., 4026 Cherry St.,
Cincinnatt 23. Ohio.
National Paper Band Co., P. O. Box 126, Denver 1, Colo.
National Paper & Type Co., 120 Wall St., New York 5, N. Y. Note S, N. Y.

National Penumatic Co., Inc., 125 Amory St.,
Boston 19, Mass.
National Repair Services, 615 E. Main St., Richmond 19, Va.

National Starch Products, Inc., 270 Madison Ave.,
New York 17, N. Y.
National Steam Pump Co., 701 W. Johnson, Upper Sandusky, Ohio of Garage Ventilation, Inc., National System of Garage Ventilation, Inc., National Ventilating Systems Div., 140 W. William St., Decalur, Ill.
stional Textile Chemical Co., 1984 E. 83rd St., St., Decalur, In.
National Textile Chemical Co., 1084 E. 83rd St.,
Cleveland, Ohio
National Textile Conservation Div., Research
Laboratories, Sherron Acres, Durham, N. C.
National Truck Leasing System, 23 E. Jackson
Blyd., Chicago 4, Ill.
Neochi Sewing Machine Sales Corp., 164 W. 25th
St., New York 1, N., House of Plastics Div., N.
14th at Tayor, Herrin, Ill.
Neva-Clog Products, Inc., 506 Logan St., Bridge-Neva-Clog Products, Inc., 506 Logan St., Bridge-port 1, Conn.. New Departure, Div. General Motors Corn... port 1, Conn.
New Departure, Div. General Motors Corp.,
Bristol, Conn.
New England Business Service, Riverbank Terrace,
Townsend, Mass.
New England Trawler Equipment Co., 301 Eastern Ave., Chelsea 50, Mass.
Newhouse Specialty Co., Inc., 3827 San Fernando
Rd., P. O. Box 1289, Glendale 4, Cal.
New London Engineering Co., 1700 Division St.,
New London, Wisc.
New South Mfg. Co., Inc., 711 Bankhead Ave.,
N. W., Atlanta, Ga.
New York Belting & Packing Co., 1 Market St.,
Passaic, N. J.
Passaic, N. J. Passic, N. I.
Fassic, N. I.
New York High Grade Button Works, 3569 Broadway, New York 31, N. Y.
New York Pressing Machinery Corp., 880 Broadway, New York 3, N. Y.
New York N. Y.
New York N. Y.
New York Twine Corp., 12 E. 44th St., New York I. N. Y.
New York I. N. Y.
New York Twine Corp., 110 Murray St., New York I. N. Y.
New York Twine Corp., 12 E. 4 Housing Park New York Twine Corp., 110 Murray St., New York, N. Y.

Nice Ball Bearing Co., 30th St. & Hunting Park Ave., Philadelphia 40, Pa.,

Nicholson, W. H., & Co., 12 Oregon St., Wilkes-Baller I, Pa.,

Nicholson, Wm. J., Laboratories, 2971 W. Davidson, Detvolt, Mich.

Nissen, John F., Jr., Co., Glenside, Pa.

No-Dara Co., 618 N. Wells St., Chicago 10, Ill.

Nopco Chemical Co., Inc., First & Essex Sts., Harrison, N. J.

Norjac Foam & Fabric, 819 N. W. 23rd St., Oklahoma City, Okla.

Norman Control Co., 5454 W. Higgins Ave., Chicago 30, Ill.

North American Dye Corp., 22 North St., Danbury, Com.

North American Electric Lamp Co., 1090 Tyler St., St., Louis 6, Mo.

North American Mg. Co., 4533 E. 71st St., Cleveland, Ohio

North American Mg. Co., 4533 E. 71st St., Cleveland, Ohio

North Cost Chemical & Soap Works, 6307-21

17th Ave., S., Seattle 8, Wash. 17th Ave., S., Seattle 8, Wash. Norton & Williams, Inc., 608 North Ave., West-field, N. J. Nuedex Products Co., Inc., 830 Magnolia Ave., Nuodex Products Co., Inc., 830 Magnolia Ave., Elizabeth, N. J.
Na-Pro Mig. Co., 2918 Washington Ave., St.
Louis 3, Mo.
Natting Truck & Caster Co., 1125 W. Davision
St., Fairbauk, Minn.
Nycco Products Co., 110 W. 29th St., New York
1, N. Y.
Nylonet Corp., 2075 N. W. 75th St., Miami 47, Flz.

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O P W Corp., Jordan Corp., Industrial Sales Div., 6013 Wiche Rd., Cincinnati 13, Ohio Oakite Products, Inc., 22B Thames St., New York 6, N. Y.
Oakville Co., Div. Scovill Mfg. Co., 26 Main St., Oakville, Con.,
Odor Instruments, Inc., 220 E. 42nd St., New York IT, N. Y.
Ohio Centringals Co., 342 S. Monument Ave., Hamilton, Ohio

Ohio Injector Co., 175 Laundry St., Wadsworth, Ohio Mechanics Institute, Central Parkway & Walnut St., Cincinnati 10, Ohio Ohmer Register Co., 740 Bolander Ave., Dayton, Ohio Obl-Rite Corp., 2318 Waldo Blvd., Manitowoc, Wisc.

Oll States Petroleum Co., Inc., 233 Broadway, New York, N. Y.

Old Dominion Iron & Steel Corp., P. O. Box 466, Bell Isle, Richmond S. Va.

Olin Cellophane Div., Ecasto Paper Corp., 655

Madison Ave., New York 21, N. Y.

Olin Mathieson Chemical Corp., Industrial Chemicals Div., Mathieson Bidg., Baltimore 3, Md.

OlseaMark Corp., 124 White St., New York 13, N. Y.

Olsea, J. B. E., Corp., 1740 Broadway, New York N. Y.
Olson, J. B. E., Corp., 1740 Broadway, New York
Olson Filtration Engineers, Div., American Laumdry Machinery Co., 5924 Section Rd., Cincinnati 12, Ohio
Olson Industries, Inc., Adams, Wisc.
Omaha Dye Works, 24th & Poppleton, Omaha, Nebr.
Dostario Iron Works, 32 Park St., Pulaski, N. Y.
Orr Felt & Blanket Co., Piqua, Ohio
Orr & Sembower, Inc., Morgantown Rd., Reading,
Fa.
Osborn Bros., 223 W. Jackson Bivd., Chicago 6. Ill.

hkosh Filter & Softener Co., 51 Ceape St.,
Oshkosh, Wisc. Otis Corp., 1030 Chicago Ave., Evanston, Ill.
Outside Venetian Blind Co., 2025 Elm St., Dallas utside Venetian Blind Co., 2025 Elm St., Dallas 1, Texas wens-Corning Fiberglas Corp., 16 E. 56th St., New York 22, N. Y.

P& H Industries, Inc., 911 St. Joseph St., Dallas 10, Texas
Passche Airbrush Co., 1909 W. Diversey Parkway, Chicago 14, 111.
Pabet Brewing Co., Industrial Products Div., Merchandise Mart, Chicago 54, Ill.
Pacific Coast Borax Co., 100 Park Ave., New York 17, N. Y.
Pacific Coast Borax Co., 100 Park Ave., New York 17, N. Angeles 3, Cal.
Los Angeles 3, Cal.
Package Chemical Co., Inc., 218 W. First St., Boston 27, Mass.
Package Masters, 2525 S. Wabash Ave., Chicago 18, Ill. Package Masters, 2525 S. Wabash Ave., Chicago 16, Ill.
 Packless Metal Hose Inc., 730 S. Columbus Ave., Mt. Vernon, N. Y.
derait Corp., 480 W. Front St., Red Bank, N. J.
goda Industries, Inc., 9th St. at Oley, Reading, Pa.

Painley Products, Inc., 1770 Canalport Ave., Chicago 18, III.
Pak-Rite Flexible Packaging Co., 135 W. 20th
St., New York 11, N. Y.
Pantex Mig. Corp., 521 Roosevelt Ave., Pawtucket, R. I.

Pantorium Cleaners, Inc., 3030 Salem Ave., Dayton, Ohio
Paper Chemicals, Inc., 310 W. 27th St., New
York I, N. Y.
Para-Lux Products Co., 4158 W. Schubert Ave.,
Chicago 39, Ill.
Parisian Cleaners, 391 Chatham St., Lyan, Mass.
Parisian Novelty Co., 3510 S. Western Ave., Chicago 9, Ill. cago 9, Ill.
Park & Tillord, 485 Fifth Ave., New York 17, N. Y. N. Y.
Parker, Sid E., Boiler Mig. Co., 2035 E. 37th St.,
Los Angeles S8, Cal.
Park'N Clean, Inc., Woodner Bldg., 3636 16th St.,
N.W., Washington, D. C.
Patek & Co., 1900 16th St., San Francisco I., Cal.
Patterson-Kelley Co., Inc., 2001 Warren St., East
Stroudsburg, Pa.
Patterson Laboratories, Inc., 11930 Pleasant Ave.,
Detroit 25, Mich.
Payson Mig. Co., 2916 W. Jackson Blvd., Chicago
12, Ill.
Peabody Engineering Carp., 580 Fifth Ave.

12, III.

Peabody Engineering Corp., 580 Fifth Ave., New York, N. 7.

Pecora Paint Co., Lawrence St. & Sedgley Ave., Philadelphia 40, Pa.

Peerless Pump Div., Food Machinery & Chemical Corp., 301 West Ave., 26, Los Angeles 31, Cal.

Pellerin Milnor Corp., Jackson & Airline Highway in Kenner, P. O. 80x 7318. New Orleans, La.

Penick & Ford, Ltd., Inc., 420 Lexington Ave., New York 17, N. Y.

Pennington Co., Riverside Ave., Gillette, N. J.

Pennsal Chemicals Corp., 3 Penn Center, Philadelphia 2, Pa.

Pennsylvania Refining Co., Butler Savings & Trust Building, Sutter, Fa.

Pennsylvania Rubber Co., Penn-Craft Park, Jean-nette, Pa.

Pennsylvania Rubber Co., Penn-Craft Park, Jean-nette, Pa. Per Corp., 295 High St., Box 305, Orange, N. J. Perelanutter, M., & Co., 4423-25 Broadway, Chi-cago 40, Ill.

Perfecting Service Co., 332 Atando Ave., Charlotte 6, N. C.
Perfection Marking Machine Co., 441 Detroit St.,
Denver 6, Colo. Perfex Corp., 500 W. Oklahoma Ave., Milwaukse 11, Wisc. Permather Corp., 450 Seventh Ave., New York 1, Permaiber Corp., 450 Seventa A. Y. N. Y. Perma Products Co., P. O., Box 25, Linwood Station, Detroit 6, Misch Per-Mo Products Co., 1715 E, 36th St., Kansas City 3, Mo. srmutit Co., 330 W. 42nd St., New York 18. Permatit Co., 330 W. 42nd St., New York 15, N. Y.
Perry Co., P. O. Box 2057, 110 Overpass Dr.,
Waco, Tenas,
Peters Co., Tenas, Div. Toledo Faint & Chemical
Co., 17 Blucher St., Toledo 1, Ohio
Faff Sewing Machine Sales Co., 320 Greenwich
St., New York 14, N. Y.
Philadelphia Belting Co., Sixth & Spring Garden
Sts., Philadelphia 23, Pa.
Philadelphia Quartx Co., 1146 B Fublic Ledger
Bldg., Phila. d., Pa.
Philocopp., Commercial Laundry Sales, Tioga
& "C" Sts., Philadelphia 34, Pa.
Philips Corp., Commercial Laundry Sales, Tioga
& "C" Sts., Philadelphia 34, Pa.
Philips Carp., 343 S. Dearborn St.,
Chicago 4, Ill.
Phoenix Products Co., 4715 N. 27th St., Milwautee 9, Wisc.,
Photosysteh, Inc., 77 Broadway, Cambridge 42,
Mass.

Mass. Mass.
Piaxxa Engineering Co., 4317 W. Irving Park Rd.,
Chicago 41, Ill.
Pick Mig. Co., 255 S. Main St., West Bend, Wisc.
Piece Centrol Tag Co., 3160 N. Broadway, Chi-Piece Control Tag Co., 3160 N. Broadway, Chi-cago 14, III. Pinnacle Products Corp., 188 Tarrytown Rd., Elmsford, N. Y. Piolet Button & Novelty Corp., 2537 Amsterdam Ave., New York S3, N. Y. Pittsburgh Hanger Co., 14th & P. & L. E. R. R.,

Ave., New York 33, N. I.

Ave., New York 33, N. I.

Monaca, Pa.

Pittsburgh Plate Glass Co., Paint Div., 632 Doquesse Way, Pittsburgh, Pa.

Pittsburgh Tag Co., 1112-20 Galveston Ave., Pittsburgh Tag Co., 1112-20 Galveston Ave., Pittsburgh 33, Pa.

Pittsburgh 33, Pa.

Pittsburgh 33, Pa.

Pittsburgh Waterproof Co., 2537 Penn Ave., Pittsburgh 22, Pa.

Plas-Ties Co., 624 Poinsettis, Santa Ana, Cal.

Pibrico Co., 1800 Kingsbury St., Chicago 14, III.

Plas-Ties Co., 624 Poinsettis, Santa Ana, Cal.

Pibrico Co., 1800 Kingsbury St., Chicago 14, III.

Plas-Ties Co., 5100 Kingsbury St., Chicago 14, III.

Paeumatic Engineering & Sales, 1010 Des Moines

Bidg., Des Moines, 10w2

Beoock, M. A., 1234 Central Ave., N. E., Minneapolis 13, Minn.

Poone Fabricators, Inc., Div., Patterson-Kelley

Co., Inc., 2706 Linkon St., East Stroudsburg, Pa.

Louis 8, Mo.

Pophias Fixture Co., 5722 Forest Park Bivd., 51.

Louis 8, Mo.

Brooklyn 15, N. Y.

Petrass

Co., Balastina, Tarass

Louis Parker Park Division St., Dallas 9,

Texas

Texas
Powder Dispenser Co., Palestine, Texas
Power Regulator Co., 2810 Greenview Ave., Chicago 14 Ill.
Pre-Marked Strip Tag Co., 3232 India St., P. O.
Box 2430, San Diego 12, Cal.
Pres-Grip Corp., 3108 Main St., Buffalo 14, N. Y.
Premium Service Co., 115 W. 19th St., New York,

N. Y.
Presser Laundry Bag Co., 3109 W. Montrose Ave.,
Chicago 18, Ill.
Procter & Gamble Distributing Co., P. O. Box 599, Cincinnati I, Ohio
rector & Swartz, Inc., Seventh St. & Tabor Rd.,
Philadelphia 20, Pa.
reportioneers, Inc., P. O. Box 1442, Providence,
R. I.

st. 1.
Prosperity Co., Div., Ward Industries Corp., 125
Marcellus St., Syracuse 1, N. Y.
Prym, William, Inc., Dayville, Conn.
Pure Oil Co., 35 E. Wacker Dr., Chicago 1, Ill.
Purkett Mg. Co., 325 E. Third St., Joplin, Mo.
Pyrometer Instrument Co., Inc., Bergenßeid, N. J.

Q

Quality Products Co., 5760 W. Grand Ave., Chicago 39, 111.

ueen City Engineering Co., Inc., Old Pineville
Rd., P. O. Box 3103, Charlotte 3, N. C.

sigley Co., Inc., 527 Fifth Ava., New York 17. Quik Pac Div., H. Wesley Hutchins Co., Hutching St., Auburn. Maine Quincy Compressor Co., 217 Maine St., Quincy,

R

Railex Corp., 634 Dean St., Brooklyn 38, N. Y. Rainbow Dye Works, 109 S. 16th St., Louisville 2, Ky. amelli, Rudolph, Inc., 1030 Sprague St., Shreve port, La.

Ramtite Co., Div. S. Obermayer Co., 2563 W. 18th St., Chicago 18, Ill. Randolph Laboratories, Inc., 8 E. Kioxie St., Chi-cago 11, Ill. St., Chicago 15, III.
Randolph Laboratories, Ine., 8 E. Kinzie St., Chicago 11, III.
Randolph Laboratories, Ine., 8 E. Kinzie St., Chicago 11, III.
Rapide-Standard Co., 535 Bono Ave., N.W., Grand Rapide 2, Mich.
Rassendoss Bag Co., Ine., 1904 Grove St., Clenview, III.
Ray Oli Burner Co., 1301 San Jose Ave., San Francisco 12, Cal.
Ray Oli Burner Co., 1301 San Jose Ave., San Francisco 12, Cal.
Rading-Fratt & Cady, Div. American Chain & Cable Co., Inc., Tulpehocken St. & Lebanon Valley R. Reading, Pa.
Reading-Fratt & Cady, Eastman Kodak Co., 415 Madison Ave., New York 17, N. Y.
Reed-Chapter, 20 15th Sc., N., Fargo, N. D.
Reed Channers, 20 15th Sc., N., Fargo, N. D.
Reed-Stablin, Inc., 6015 - 5th Ave., Brooklyn, N. Y.
Rees-Davis Drugs, Inc., Meriden, Comn.
Reeves Brox., Inc., 54 Worth St., New York 13.
N. Y.
Refined Products Corp., 624 Schuler Ave., L/Jud-burst, N. J.
Reintjee, George P., 2515-17 Jefferson St., Kansas City 10, Mo.

hurst, N. J.
Reintjee, George P., 2515-17 Jefferson St., Kansas Chy 10, Mo.
Reilable Laundry Supplies, 525 W. 76th St., Chicago 20, Ill.
Reflable Machine Works, Inc., 298 Eagle St.,

Reliable Laundry Supplies, 325 W. 10th St., Chicago 20, Ill.
Reliable Machine Works, Inc., 238 Eagle St.,
Brooklyn 22, N. Y.
Reliable Steam Freesing Machine Service, Inc.,
175 Bergen St., Newark 3, N. J.
Reliance Electric & Engineering Co., 1058 Ivanhoe Rd., Cleveland 10, Ohio
Rema Corp., Ruby St., Norwalk, Comm.
Remington Rand, Inc., 313 Fourth Ave., New
York, N. J.
Remard's, 741 Madison Ave., New York 21, N. Y.
Reso Moiors, Inc., 1314 S. Washington Ave., Lansing 20, Mich.
Repel-O-Products Div., North American Merchandising Co., Transportation Bldg., Detroit 26
Mich.

Republic Flow Meters Co., 2240 W. Diversey Parkway, Chicago 47, Ill. Republic Steel Corp., Republic Bldg., Cleveland 1.

esearch Laboratories Corp., P. O. Box 338, Dur-ham, N. C. esearch Products Corp., 1011 E. Washington

tiesearch Products Corp., 1011 E. Washington Ave., Madison 3, Wisc. Resillo Press Fad Co., 6950 N. Central Park Ave., Chicago 45, Ill. Reslabs, Inc., Div., Linco Products Corp., 2155 W. 80th St., Chicago 20, Ill. Revere Copper & Brass, Inc., 230 Park Ave., New York 17, N. Y.

Tork I.7, N. Y.
Revere Electric Mig. Co., 6009 Broadway, Chicago 40, M.
Revolite Div., Raybestos-Manhattan, Inc., 500
Fifth Ave., New York 36, N. Y.
Rhodes, Preston T., 520-22 N. 61st St., Philadelphia, Pa. Rhodes, Preston T., 520-22 N. 61st St., Philis-delphia, Pa. Rich Fan Mfg. Co., 2904 Caroline St., Houston 4.

Texas chards-Wilcox Mig. Co., 174 Third St., Auson

Histon Mig. Co., Risdon St., Naugatuck, Conn. Riverside Chemical Co., Inc., 871-947 River Rd.. North Tonawanda, N. Y. Riverside Mig. Co., 4919-27 Connecticut St., St. Louis 9, Mo. Roberts Numbering Machine Co., 705 Jamaica Ave., Brocklyn 8, N. Y. Robins, G. S., & Co., 126 Chouteau St., St. Louis. Mo.

Mo. Robot Laundry Machinery Sales, Div., Wolf Co., Wolf Ave., Chambersburg, Pa.
Rockwell, W. S., Co., 200 Eliot St., Fairfield.

Rodin Machinery Co., Div. Rodin Bres., 1331 S. Michigan Ave., Chicago 5, Ill.
Raller Bearing Co. of America, Box 480, Trenton. 3, N. J. Roll-on-Sealer Co., Antioch, Ill.

Rome Soap Mfg. Co., Sixth St., Rome, N. Y. Romañex Tubing Co., Inc., Packard Bldg., Phila-delphia 2, Pa. Ronningen-Petter Co., 330 S. 27th St., Vicksburg 1, Mich. Root & Co., 11 Ionia, S. W., Grand Rapids 2 Mich.

Roots-Connersville Blower Corp., 900 W. Mount St., Connersville, Ind. Rosenthal Mfg. Co., 5035 N. Kedzie Ave., Chi-cago 25, Ill. cago 25, Ill. ossenthal Paper Co., 200 Lynch St., St. Louis 18.

ns Heat Exchanger Div., Box 2081 Buffalo 5. Reth, Rey E., Co., 2430 Fourth Ave., Rock Island.

III.

Ro-Wash, 696 Pembroke Rd., Jenkintown, Pa.

Rubber City Mfg. Co., 714 N. Main St., Akron 10.

Ohio
Ruberoid Co., 500 Fifth Ave., New York 18, N. Y.
Rubin, E. L., Mfg. Co., 4 Monroe St., Pittsfiedl.
Mass. Rubinoff, M., Inc., 154-156 W. 27th St., New York I, N. Y. Rumford Chemical Works, 9 Newman Ave., Rumford 18, R. I.
Rusco Chemicals, Box 9101, Charlotte 5, N. C.

Russel Mig. Co., East Main St., Middletown, Conn. Russel Mig. Co., East Main St., Middletown, Conn. Mich.
Mich. Kalamazoo.

Sabin Machine Co., 6536 Carnegie Ave., Cleveland 3, Ohio St. Louis Sticker Co., 1906 Pine St., St. Louis 3, Sak-Rak Co., 601 Cole Ave., Monroe, La. Salomom, L. A., & Bro., 216 Pearl St., N. Y. 38, N. Y. Samson & Shaffer, Inc., 542 S. Dearborn St., Chi-cago 5, Ill. Sandos Chemical Works, Inc., 61-63 Van Dam St., Sandor Chemical Works, Inc., 61-63 Van Dam St., New York 13, N. Y. Sani-Matic Brusher, 3945 N. Sheridan Rd., Chi-cago 13, III. Sanitone Div., Emery Industries, Inc., 4200 Carew Tower, Cincinnati 2, Ohio Sani-Top Co., Stepney Depot, Comn. Sarco Co., Inc., 635 Madison Ave., New York 22, N. Y. Schaub, Fred H., Engineering Co., 2110 S. Marshall Blvd., Chicago 23, Ill.
Schirmer-Dornbirer Pump Co., 1719 E. 39th St., Cleveland 14. Ohio hmidt Mig. Co., 280-292 North St., New Bed-ford, Mass. Sch ford, Mass.
Schramm, Inc., West Chester, Pa.
Schwartz, B. W., Co., Box 205, Washington St.,
Two Rivers, Wisc.
Schwitzer-Cammins Co., 1145 E. 22nd St., Indianapolis 7, Ind.
Scientific Packages, Inc., 1827 Park Ave., Denver,
Colo. Scientific Piccages, Mer., 1927
Colo.
Sec.O-Matic Corp., 55 LaFrance Ave., Bloomfield, N. J.
Sccurity Fur Seal Co., Inc., 144 W. 27th St., New York I, N. Y.
Sellers Engineering Co., 4876 N. Clark St., Chicago 40, Ill.
Seneca Dyers, Inc., 1227 Maple St., Bochester 11, N. Y.
Serdex, Inc., 91 Cambridge St., Boston 14, Mass. Service Recorder Co., 1375 Euclid Ave., Gleveland 15, Ohio
Setlow, M. & Son, Inc., 131 Chestnut St., P. O. Box 1784, New Haven, Conn.
Shane Uniform Co., Inc., 2013 W. Maryland, Evansville 7, Ind.
Shell Oil Co., 50 W. 50th St., New York 20, N. Y.
Shewwin-Williams, 101 Prospect Ave., N. W., Cleveland 1, Ohio
Shields Engineering & Mig. Co., 277 E. 156th St., Cleveland 10, Ohio
Shielt Valet Rental Plan, Inc., 358 Fifth Ave., New York 1, N. Y.
Shop-ia-Car Corp., P. O. Box 1367, Shelby, N. C.
Shevesport Garment Mig., 908 McNeil St., Shreveport 95, La.
Shur Mothproof Co., P. O. Box 956, Colorado Springs 3, Colo.
Shebring Mig. Co., 106 Owen St., George, Iowa Signal Chemical Mig. Co., 1nc., 5020 Richmond Rd., Bedford, Ohio.
Sheck Co., 920 Walnut St., Lansdale, Pa.
Simplex Time Recorder Co., 149 Broadway, New York 1, N. Y.
Singlex Time Recorder Co., 149 Broadway, New York 0, N. Y.
Sirotta, Bernard, Co., 620 Smith St., Brooklyn St., N. Y.
Skelly Oil Co., Industrial Div., 605 W. 47th St., Kansas City 41, Mo.
Skrandel Co., 6435 S. Rockwell St., Chicago 29, Ill.
Slates-Robbins Co., Inc., 28-44 Borden Ave., Long Island City, N. Y. Sec-O-Matic Corp., 55 LaFrance Ave., Bloomfield, N. J. Ill.,
Slater-Robbins Co., Inc., 28-44 Borden Ave.,
Long Island City, N. Y.
Slick Trailer Stores, 3201 S. Clinton, Fort Wayne, Ind. aall Equipment Co., Div., American Laundry Machinery Co., Section Rd., Cincinnati 12, Ohio
Smith, A. O., Corp., Perma Glass Div., Route 46,
Kankakee, Ill.
Smith Bros. Co., Highway 64 at West Ave., Plymouth, N. C.
Smith, Frank R., Co., 503 Front St., Orange, Texas
Smith, R. B., Co., 1609 S. Nevada Ave., Colorado
Springs, Colo.
Smith, T. L., Co., 2835 N. 32nd St., Milwaukee 1,
Wisc. Smith, T. L., Co., 2835 N. 32ad St., Milwaukee 1, Wisc.
Smith, X. S., Inc., Box 272, Red Bank, N. J. Socomy-Vacatum Oil Co., Inc., 26 Broadway, New York 4, N. Y.
Seden, P. N., & Co., Ltd., 2143 St. Patrick St., Moatreal, Can.
Solupak Co., 1620 Plymouth Ave. N., Minneapolis 11, Minn.
Solvay Frecess Div., Allied Chemical & Dye Corp., 61 Broadway, New York 6, N. Y.
Somos's Terminal Uniforms, P. O. Box 87-5 Cos. Branch, Jersey City, N. J.
Southeartera Textile Co., 222 E. Solomon St., Griffin, Ca.
Southern Advance Bag Operation, Continental Can Co., 530 Fifth Ave., New York 36, N. Y.
Southeart Machinary Co., 1565 Hansford St., Charleston 24, W. Va.
Southern Machinary Co., 1565 Wells St., S. W., Atlanta, S., Ca. 3, Ga. outhland Enterprises, 1132 Pryor St., S. W., At-Spear Box Co., Inc., 270 11th Ave., New York 1, N. Y. Spears Co., 2235 S. Ford Ave., Chicago 16, Ill. Specialty Devices Co., 805 E. 26th St., Norfolk 4, Va.

Speed Check Co., Inc., 542 Courtland St., N.E., Atlanta 3, Ga. Speedlite Chemicals Co., 1900-16th St., San Fran-cisco 1, Cal. Speed-Queen, Div. McGraw-Edison Co., Ripon, Wis.
Speedway Chemicals Co., 2029 Park Ave., Detroit
Seo Mich.
Speedy Washer Mig. Co., 3700 N. W. 35th Ave.,
Miami 48, Fla.
Speacer Turbias Co., 486 New Park Ave., Hartford, Conn. Spix Products Co., 119 Dahlem St., Pittsburgh 6, Pa.
Spotewood Parker & Co., 313 Techwood Dr.,
N. W., Atlanta, Ga.
Stadham Co., Inc., 1825-31 N. 20th St., Philadelphia 21, Pa.
Stadler Textile Weavers, 312 E. Wisconsin Ave.,
Milwaukee, Wisc.,
Staimpraf Mfg. Co., 2032 E. Seventh St., Los Angeles 21, Cal.,
Staley, A. E., Mfg. Co., Decatur, Ill.
Stamford Chemical Co., 45 Jefferson St., Stamford,
Conn. Standard Chemical Works Co., 538 E. Town St., Columbus 15, Ohio Standard Factors Corp., 270 Madison Ave., New York 16, N. Y. Standard Garment Co., 2283 Fulton St., Toledo 10, Ohio Standard Laundry & Cleaning Machinery Co., 6900 Maple Avo., Dallas 2, Texas Standard Oil Co., 910 Michigan Ave., Chicago andard Register Co., 3005 Campbell St., Dayton 1. Ohio In one and and Soap Co., Div. Concord Chemical Co., Inc., P. O. Box 800, Camden, N. J.

a-Nest Corp., 5802 Mockingbird Lane, Dallas, Sta-Ne. Texas Texas Stanley, John T., Co., Inc., 626-66 W. 30th St., New York 1, N. Y. Sta-Nu Corp., 5101-15 N. Sheridan Rd., Chicago New York 1, N. Y.
Sta-Nu Corp., 5101-15 N. Sheridan Rd., Chicago
40, Ill.
Star-Service Hanger Div., Young Spring & Wire
Corp., 9200 Russell St., Detroit 11, Mich.
Statikl Div., J. E. Doyle Co., 1220 W. 6th St.,
Cloveland 13, Ohio
Stauffer Chemical Co., 380 Madison Ave., New
York 17, N. Y.
Stay-Fresh Corp., 3945 N. Sheridan Rd., Chicago
13, Ill.
Steamaster Automatic Boiler Co., 5819 Compton
Ave., Los Angeles 11, Cal.
Steamaster Co., Inc., 110 W. 30th St., New York
1, N. Y.
Steam Engineering & Sales Co., 1818 W. 47th
St., Chicago, Ill.
Steams, George, Chemical & Mig. Co., 119 E.
Main St., Madison, Wisc.
Ver 2, Colo.
Stebbins Mig. & Supply Co., 1735 Blake St., Denver 2, Colo.
Steeloote Mig. Co., 3418 Gratoit, St. Louis 3,
Mo. Steelcote Mfg. Co., 3415 Graton, 1...

Mo.

Steele Carvas Basket Co., Inc., 199 Concord Tumpike. Cambridge 40, Mass.

Steele, J. W., & Co., 12th Ave. & Howell, North Kansas City 16, Mo.

Steel Products Engineering Co., 1205 Columbia St., Springfield, Ohio

Stein, Lawrence M., Co., 815-25 W. Van Buren St., Chicago 7, Ill.

Steinner Sales Co., 740 Rush St., Chicago 11, Ill.

Steinman Paper Co., 1320 Halsted Ave., Chicago 22. Ill. 22, Ill.
Stephens-Adamson Mfg. Co., Ridgeway Ave.,
Aurora, Ill.
Sterling Air Conditioning Corp., 358 W. Main
Ave., Gastonia. N. C.
Sterling Electric Motors, Inc., 5401 Telegraph Rd.,
Los Angeles 22, Cal.
Sterling Engineering & Mfg. Corp., 1 Reservation
Rd., Hyde Park 36, Mass.
Sterling, Inc., 3738 N. Holton St., Milwaukee 12,
Wice. Sterling Supply Corp., 1-35 Porter St., Philadelphia 48, Pa. Sternberg, B., 5719 E. Claridge Circle, Dallas 19, 43, Pa.
Sternberg, B., 5719 E. Claridge Circle, Dallas 19,
Texas
Sterwin Chemicals, Inc., 1450 Broadway, New
York 18, N. Y.
Stevens Michael, Corp., 525 W. 52nd St., New
York 19, N. Y.
Stevenson, Condan & Harrison, Inc., 205 W.
Wacker, Dr., Chicago 14, Ill.
Stevart-Wuxser Corp. Alemite Corp., 1826 Diversey Parkway, Chicago 14, Ill.
Stitt-Reed, Inc., and/or Wm. A. Reed & Co., Inc.,
6432 44th Pl., Lyons, Ill.
Stomac Engineering Co., Inc., 200 W. 25th,
Cleveland 13, Ohio
Stome Boiler Equipment Corp., 186 Powers St.,
Brocklyn 11, N. Y.
Story Mig. Co., 205 Lafayette Ave., Bellevue, Ky.
Storker Water Softener Co., Stover Bldg., St.
Charles, Ill.
Street, R. R., & Co., Inc., 561 W. Monroe St.,
Chicago 6, Ill.
Strike's Laundry Machinery, Inc., 221 N. Westmoreland Ave., Los Angeles 49, Cal.
Strohmeyer & Arpe Co., 139-414 Franklin St.,
New York 13, N. Y.
Stromberg Time Corp., 109 Lafayette St., New
York 13, N. Y. Stromberg Time Corp., 109 Lafayette St., New York 13, N. Y.

Strong, Carlisle & Hammond Div., 508 Sandusky St., Conneaut, Ohio Str., Conneaut, Ohio Str., Louisville 6, Str., Conneaut, Ohio Str., Louisville 6, Str., Louisville 6, Str., Louisville 6, Str., Sharker Corp., South Band, Ind. Suedecare, Inc., 50 Station Plaza, Hempstead 1, N. Y. Suede King, 1311 E. State St., Sharon, Pa. Superior Boiler & Supply Co., 3400 E. Fourth, Hutchinson, Kans. Superior Combustion Industries, Inc., 1475 Broadway, New York 36, N. Y. Superior Pad Co., Box 208, Akron 9, Ohio. Superior Products Co., Iac., 50 Tufts St., Somerville 45, Mass. Superior Reweavers, 116 Peachtree Arcade, Atlenta 3, Ga. Super Laundry Machinery Co., 1113 W. Cornelia Ave., Chicago 13, Ill. Sure-Hold Div., Nashua Corp., Franklin St., Nashua, N. H. Sureleo Paper Clip Co., 66 Kenyon Ave., Wakefold, R. I. Surface Protection Co., Inc., 16799 Euclid Ave., Cleveland 12, Ohio Sutherland Paper Co., 243 E. Paterson St., Kalamazoo 13-D, Mich. Sweda Cash Register, Inc., 7313 N. Harlem Ave., Chicago 31, Ill. Swift & Co., Industrial Sap Dept., 4115 Packers Ave., Chicago 31, Ill. Swift & Co., Industrial Sap Dept., 4115 Packers Ave., Chicago 31, Ill. Swift & Co., Industrial Sap Dept., 4115 Packers Ave., Chicago 31, Ill. Swift & Co., Industrial Sap Dept., 4115 Packers Ave., Chicago 31, Ill. Swift & Co., Industrial Sap Dept., 4115 Packers Ave., Chicago 31, Ill. Swift & Co., Industrial Sap Dept., 4115 Packers Ave., Chicago 31, Ill. Swift & Co., Industrial Sap Dept., 4115 Packers Ave., Chicago 11, N. Y.

Wiss Cleaners & Laundry, 915 S. Sixth St., Louisville, Kv., Sylvania Biv., American Viscose Corp., 122 E. 42nd St., New York 17, N. Y.

Sylvania Electric Products, Inc., 500 Fifth Ave., New York 1, N. Y.

T

Taco Heaters, Inc., 137 South St., Providence 3, R. I. Tad Chemical Co., Div. Acme Industrial Compounds Corp., 625 S. Goodman, Rochester 7, N. Y. Tagit Co., 1212 11th St., Rockford, Ill. Take-Care Mfg. & Sales Co., 2225 E. Ninth St., Wichita, Kans.

Talb Industries, Inc., Front & Master Sts., Philadelphia, Panlon, Inc., 6 Inc., 626 Arch St., Meadville, Pa. is Co., 4300 Euclid Ave., Cleveland S, Ohio
Tash, Al, Dye Works, Grand Prairie, Dallas
County, Texas
Taubman, Samuel, & Co., 176 Madison Ave., New
York 16, N. Y.
Taylor Host Inc., 4418 Griffin Ave., Los Angeles
31, Cal.
Taylor, W. A., & Co., 7300 York Rd., Baltimore Taylor, W. A., & Co., 7300 York Rd., Baltimore 4. Md. Technical Tape Corp., 240 North Ave., New Rochelle, N. Y. Technical Tape Corp., 240 North Ave., New Rochelle, N. Y.
Tejax Engineering Corp., 1 Washington Ave., Providence 1, R. I.
Tele-Vue Packaging Products, Inc., 300 S. 12th St., New Hyde Park, N. Y.
Texas Co., 135 E. 42nd St., New York, N. Y.
Texas Control Systems, 522 W. Peachtree St., Atlanta, Ga.
Textile Marking Machine Co., Inc., 2204 Eris Bivd., East, Syracuse 1, N. Y.
Textile Products, 181 Chestnut St., Newark I, N. J.
Thermopatch Corp., 2432 Grand Concourse, New York St. N. Y.
Thomaston Mills, E. Main St., Thomaston, Ga.
Thompson, H. C., Clock Co., 2915 Federal St., Bristol, Conn., Hyward Chemical Cu., 2915 Southwest Blvd., Kansas City S. Mo.
Thomason Chemical Co., 619 N. Jackson St., Lima, Olio
Thom Products Ce., 3240 Larimer St., Denver S.
Chemical Co., 310 N. St. Clair St. Toledo A. Colo.
Thrifty Weavers, 310 N. St. Clair St., Toledo 4,
Chio Wann St., High Point, N. C. Thrifty Weavers, 310 N. St. Clair St., Toledo 4, Ohio
TickeTag Corp., 512 Wrenn St., High Point, N. G.
Tillery Container Corp., 600 Wilson Ave., Kaneas City 23, Mo.
Time Savers, Inc., 83-99 Walnut St., Montclair,
N. J.
Timken Roller Bearing Co., 1835 Dueber Ave.,
S. W., Canton 6, Ohio
Tingue, Brown & Co., 1765 Carter Ave., New
York S7, N. Y.
Titusville Iron Werks Co., Div. Struther Wells
Corp., 51 Drake St., Titusville, Pa.
Todd Co., Inc., 1150 University Ave., Rochester
3, N. Y.
Toledo Scale Co., 1076 Telegraph Rd., Toledo
12, Ohio
Topter, Corp., 2106 Washington Ave., New York Toptex Corp., 2108 Washington Ave., New York 37, N. Y. Tork Clock Co., Inc., 1 Grove St., Mt. Vernon, N. Y. N. Y.
Tower Chemicals, Inc., Route 8, Glenshaw, Pa.
Towne & Country Cleansing Craftsmen, 48 Chandler St., Worcester, Mass.
Trane Co., Second & Cameron Sts., La Crosse,
Wisc.

Travelers Insurance Co., Hartford, Conn. Tremm Chemical Corp., 1865 N. E. 144th St., Miami, Fia.
Treut Tube Co., East Troy, Wisc.
Trico Chemical Div., Tri-State Equipment Co., 402 Swetland Bldg., 1010 Euclid Ave., Cleveland 15, Ohio
Trico Fuse Mig. Co., 2948 N. Fifth St., Milwaukes 10 Wisc. 402 Swetland Bidg., 1910 Euclid Ave., Conland 15, Ohio
Trico Fuse Mig. Co., 2948 N. Fifth St., Milwaukee 12, Wisc.
Triner Scale & Mig. Co., 2714 W. 21st Chicago, Ill.
Trico Chemical Works, Inc., 341-49 Scholes St.,
Brooklyn 6, N. Y.
Tropical Paint & Oil Co., 1110-1300 W. 70th St.,
Cleveland 2, Ohio
Troy Chemical Co., 338 Wilson Ave., Newark 5,
N. J.
Try Laundry Machinery Div., American Machine
& Metals, Inc., East Moline, Ill.
Troy Sunshado Co., Plum & Grant Sts., Troy, Ohio
Tru Color Dye Works, Inc., 24-47 44th St., Long
Island City 3, N. Y.
"TI" Ticke Tag Corp., 512 N. Wrenn St., High
Foint, N. C.
Tyson Sales Co., Inc., 1212 Washington Ave.,
Houston, Texas

U

Ultra White Co., P. O. Box 1973, Roanoke 1, Va. Underwood Corp., 1 Park Ave., New York 16,

N. Y. Uniflow Mfg. Co., Erie, Pa. Uniflow Sales Co., 527 W. Roosevelt Rd., Chicago 7, Ill.

Uniform Sales Co., 527 W. House Co., 7. Ill.
Uni-Mac Co., 723 Ponce de Leon Place, N. E.,
Atlanta 8, Gardie Chemicals Co., Div., Union Carbide Corp., 30 E. 42nd St., New York 17, N. Y.
Union Iron Works, 15th & Cascade St., Erie, Pa.
Union Oil Co. of California, Los Angeles, Cal.
Unipress Co., Inc., 2800 Lyndale Ave., S., Minnecodic 8 Minn.

Union Oil Co. of California, Los Angeles, Cal.
Unipress Co., Inc., 2890 Lyndale Ave., S., Minneapolis 8, Minn.
Unisted Autographic Register Co., 5000 S. California Ave., Chicago, Ill.
United Brass Works, Inc., Randleman, N. C.
United Cotton Goods Co., Inc., 101 E. Broadway,
Griffin, Ga.
United Fabries Co., 223 W. Jackson Blvd., Chicaro, Ill.

Griffin, Ga.
United Fabries Co., 223 W. Jackson Blvd., Chicago, Ill. United Fabries, Inc., 2863 Noble Rd., Clevelind 12, Ohio
United Print Shop, 283 Seventh Ave., New York
U. S. Blind Stitch Machine Corp., 231 W. 29th St.,
New York I, N. Y.
U. S. Gauge Div., American Machine & Metals,
Iso., Clymer Ave., Sellersville, Pa.
U. S. Hoffman Machinery Corp., 103 Fourth Ave.,
New York S, N. Y.
U. S. Hodstrial Chemical Corp., 99 Fark Ave., New York S, N. Chemical Corp., 99 Fark Ave., New York 16, N. J.
U. S. Machine Corp., Lebanon, Ind.
U. S. Machine Corp., Lebanon, Ind.
U. S. Machine Corp., Puerto Nuevo, Box 3336, San
Juan, Forto Rico
U. S. Mining Cerp., 6363 Wilshire Blvd., Los
Angeles 48, Cal.
U. S. Rabber Co., Keylon Div., 407 N. Main St.,
Mishawaka, Ind.
U. S. Spring & Bumper Co., 4951 Alcoa Ave.,
Los Angeles, Cal.
U. S. Steel Co., 525 William Penn Pl., Pittsburgh
30, Pa.
U. S. Tag & Ticket Co., 2217-21 Robb St., Baltimore, Md.

more, Md.
U. S. Tissue Converting Co., 1848 W. Washington
Blvd., Los Angeles 7, Cal.
United Steel & Wire Co., 175 Fonda Ave., Battle
Creek, Mich.
United Vacuum Appliance Corp., Connersville,
Ind.

Wash Cerp., 162 S. Washington St., Plain-

ville, Conn. Universal Cleansing & Dyeing Co., 1218 E. 71st St., Cleveland, Obio

St., Cleveland, Ohio Universal Laundry Machinery Co., 3739 Page Blvd., St. Louis, Mo. Universal Match Corp., 1501 Locust St., St. Louis 3, Mo.

Universal Metal Hose Co., 2133 S. Kedzie Ave., Chicago 23, III. Universal Sales, Inc., Old London Rd., Delaware,

Universal Solvent Co., Springfield, Delaware Co., Utility Truck Distributors, Inc., Union City. Ind.

& W Equipment, Inc., 124 S. Blount St., East Point, Ga. Valdura Div., American Marietta Co., 43 E. Ohio St., Chicago 11, Ill. in Chemical Co., 539 Third St., Detroit 26,

Mich.
Vapor Heating Corp., 230 Park Ave., New York
17. N. Y.
Vapor Jet Steam Products Inc., 348 W. 42nd St.,
N. Y. 36, N. Y.
Vara, A. G., & Son, Inc., 53 Clark St., Hamburg,
N. Y.

N. Y. Veeder-Root, Inc., 70 Sargeant, Hartford 2, Conn. Velan Engineering Co., 6585 Jeanne Mance St., Montreal, Can., Velocity Stean Froduction Engineering, Inc., 38

Montreal, Can.

**Nelocity Stean Froduction Engineering, Inc., 38

\$. Dearborn St., Chicago 3, Ill.

Vic Manufacturing Co., 1313 Hawthorne Ave.,
Minneapolis 3, Minn.

Victor Adding Machine Co., 3900 N. Rockwell

St., Chicago 18, Ill.

Victor Enlata & Textile Belting Co., 53 Park Pl.,
New York 7, N. Y.

Victor Chemical Works, 155 N. Wacker Drive,
Chicago 6, Ill.

Victor Labricator Sales Co., Mildred & North
Aves., Antioch, Ill.

Viking Pump Co., Fourth & Newman Sts., Cedar

Falls, Iowa

Virginia Carolina Lausdry Supply Corp., 212 W.

Seventh St., Richmond, Va.

Virginia Greenstone Co., Inc., Box 897, S. Lypch
burg, Va.

W

Wagner Sign Service, Inc., 212 Hoyne Ave., Chicago 12, Ill.
Waldorf Co., 2236 Myrtle Ave., St. Paul, Minn.
Waldorf Paper Products, 2250 Wabash Ave., St.
Paul 4, Minn.
Wallerstein Co., Inc., 180 Madison Ave., New
York 16, N. Y.
Walser Automatic Timer Control, 420 Lexington
Ave., New York 17, N. Y.
Walword Co., 60 E. 42nd St., New York 17,
N. Y.
Waron Laboratories, 18600 S. N. New York 17,

Walworth Co., 60 E. 42nd St., New York 17, N. Y.
Warco Laboratories, 13609 S. Normandie Ave.,
Gardena, Cal.
Wardrobe Service, 1304 McGee, Kansas City, Mo.
Warwick Chemical Co., 10th St. & 4th Ave.,
Long Island City, N. Y.
Washex Machiaery Corp., 192 Banker St., Brook,
lyn 22, N. Y.
Washine Chemical Corp., 165 Main St., Lodi, N. J.
Washine Chemical Corp., 165 Main St., Lodi, N. J.
Washine Chemical Corp., 2551 Wells Ave., St.
Louis, Mo.
Waston-Standard Co., 225 Galveston Ave., Pittsburgh 12, Pa.
Watta Regulator Co., 10 Embankment St., Lawrence, Mass.
Wayne Pump Co., 513-521 Tecumseh St., Fort
Wayne 4, Ind.
Weave Masters, Ine., 413 Race St., Cincinnati,
Ohio

Wayne Pump Co., 513-521 Tecumseh St., Fort Wayne 4, Ind.
Weave Masters, Inc., 413 Race St., Cincinnati, Ohio
Webb Belting & Supply Co., 1501-1507 W. 12th
St., Kansas City 7, Mo.
Webster, Warren, & Co., 17th & Federal Sts.,
Camden, N. J.
Wendling Standard Forms, Fort Thomas, Ky.
Weisserf, R. M., 315 N. Seventh St., St. Louis, Mo.
West Coast Laundry Machinery Co., 3246 17th
St., San Francisco 10, Cal.
Western Boiler Co., 1600 N. Indiana St., Los Angeles 63, Cal.
Western Laundry Machinery Co., 420 E. 10th St.,
North Kansas City 16, Mo.
Western Fumg. City 16, Mo.
Western Fumg. City 16, Mo.
Western Fumg. City 16, Mo.
Western Pump. Co., Lel., 522 W. Santa Ciara St.,
San Jose 1, Cal.
Westinghouse Electric Corp., Lamp Div., Bloomledd, N. J.
Weston Corp., 177 E. 123rd St., New York 35,
N.,
West Side Corp., 177 E. 123rd St., New York 35,
West Texas Marine Boiler Works, Inc., P. O. Box

N. Y.
West Texas Marine Boiler Works, Inc., P. O. Box
S665, Lubbock, Texas
Westvaco Chlor-Alkali Div., Food Machinery &
Chemical Corp., 161 E. 42nd St., New York
17, N. Y.
White Frost Chemicals, Inc., 315 W. Putnam Ave.

ost Chemicals, Inc., 315 W. Putnam Ave., White Frost Chemicals, Inc., 315 W. Putnam Ave., Greenwich, Conn.
Whitehouse Nylon Products, 360 Furman St., Brooklyn I, N. Y.
White Machine Co., Inc., 14th St. & Lafayette Ave., Kenilworth, N. J.
White Motor Co., 847 E. 79th St., Cleveland, Ohio
Whitlock Mfg. Co., 90 South St., Elmwood, Hart-Lord 10 Conn.

ford 10, Conn.

Wichita Precision Tool Co., Inc., 450 N. Seneca, Wichita 12, Kans. Wichita 12, Kans.

Wick Narrow Fabric Co., 112 N. 12th St., Philadelphia 7, Pa.

Wiegand, Edwin L., Co., 7671 Thomas Blvd., Pittsburph 8, Pa.

Will-Burt Co., Orrville. Ohio

Willoo Sales Co., 2918 Southwest Blvd., Kansas
City 8, Mo.

N. H.
Wil-Nor Products, 3002 N. Fifth St., Philadelphia
33, Pa.
Chemical Co., 38 Passaic Ave., Wilson, A. L., Chemical Co., 38 Passaic Ave., Kearny, N. J. Windsor Chemical Co., P. O. Box 8, Peckskille, N. Y. Winner, Joe L., 281 S. Hilton St., Baltimore 29, Md. Wire Specialties & Mfg. Corp., 1348-50 12th St., Denver 4, Colo. Wixard Weavers, 135 E. Gay St., Columbus 15, Ohio

Wolf Machine Co., 2208 Fowler St., Cincinnati 6, Ohio Wolke, A. F., Co., 1902 Silver St., New Albany, Ind. Wonder Weavers, 44 Whalley Ave., New Haven

Wonder Weavers, 44 Whalley Ave., New Haven 11, Conn.
Wood Conversion Co., First National Bank Bldg., St. Paul I, Minn.
Wood, George, Sons & Co., 512 Wainut St., Philadelphia S. Pa.
Woodhead Insurance Agency, 510 Insurance Exchange Bldg., Kansas City 6, Mo.
Wood's, T. B., Sons Co., Chambersburg, Pa.
Woodward Valve Repair, 624 Main St., Woodward, Okla.
Wormstead, Smith & Loomis, Inc., 77 Washington St., N., Boston 14, Mais.
Worthington Corp., Worthington Ave., Harrison, N. J. N. J.
Wright-Austin Co., 3245 W. Woodbridge St., Detroit 26, Mich.
Wrisley, Allen B., Co., 6801 W. 65th St., Chicago.

Wyandotte Chessicals Corp., J. B. Ford Div., Wyandotte, Mich. Wye Industries, 6 Gen. Devine Way, Boston 27. Mass. Mass. Wyotana Mining Co., 331 First Federal Bldg., St. Paul I. Minn.

Yarnall-Waring Co., 129 Mermaid Ave., Phila. 18, Teomans Bros. Co., 1999 Ruby St., Melrose Park, 111. York-Shipley, Inc., Industrial Div., 500 Jessop Pl., York, Pa. Young, John A., 7 Central Ave., West Barrington, R. I. R. I. Young, Paul O., Co., Line Lexington, Pa. Young Radiator Co., 709 S. Marquette St., Racine, Wise.

Zeidler Mfg. Co., Inc., 633 Concord Ave., Mama-roneck, N. Y. Zellermayer, Nathan, & Co., 2106 Washington Ave., New York 57, N. Y. Zel-Tex Co., 1623 Sears Point Rd., Vallejo, Cal. Zenith Electric Co., 146 W. Walton St., Chicago 10. III. Zeoli, Sam, Inc., 705 Second Ave., New York, N. Y. N. Y.
Zephyr Laundry Machinery Co., 3500-12 Touhy
Ave., Chicago 45, Ill.
Zero Water Softener Mig. Co., 4985 Elston Ave.,
Chicago 30, Ill.
Zimmerman Products, 2519 Burnet Ave., Cincinnati 19, Ohio
Zooz, Victor, Chemical Co., 1218 N. Marshall St.,
Philadelphia 23, Pa.
Zuckerberg Co., 87 Franklin St., New York 13,
N. Y.

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aeographical directory of manufacturers, direct branch offices, iobbers and distributors

ALABAMA

ALBERTVILLE

Blair Hunt Co., 134 McDonald Ave.

ANNISTON

Federal Products Co., Inc.

BIRMINGHAM Allegheny Ludium Steel Corp.,3515 Third Ave., S. Armour & Co., Industrial Soap Div., 2300 First

Allegheny Luddum Steel Corp., 3315 Third Ave., S. Armour & Co., Industrial Soap Div., 2300 First Ave. & Co., 1200 - 2nd Ave., N. (E & S) Barber-Colman Co., 2807 Central Ave. Barber-Colman Co., 2807 Central Ave. Barber-Colman Co., 2807 Central Ave. Barber-Div., Allied Chemical & Dye Corp., 1327 Eric St. Benton Bros., 2322 12th Ave., N. Berger Mfg. Div., Republic Steel Corp., 1407 Empley Bids. Comer Bidg. Cupples-Hesse Corp., 205 Frank Nelson Bidg. Poxboro Co., P. O. Box 380 General Chemical Div., Allied Chemical & Dye Corp., 2313 Morris Ave. Ingersoll-Rand Co., 1700 Third Ave., S. Kowance Boiler Corp., 2324 Comer Bidg. Laundry, Cleaners Maintenance Supply Co., 309 First Ave. N. (E & Bidg. M & B Metal Products Co., 4415 Morris Ave. Middlebrooks Laundry Machinery Co., 316 Second Ave., N. (E) Phenix Supply Co. of Alsbama, 1201 - 2nd Ave., N., P. O. Box 737 (S) Resse Engineering Co., 4024 - 1st Ave., N. (E) Reliance Electric & Engineering Co., 1722 First Ave., N.

Rainne Electric & Engineering Co., 1722 First Ava., N. (E) Republic Steel Corp., Empire Bldg. Rese, F. H., & Co., Inc., 302 S. 12th St. (E & S) United Machinery Corp., 2114 Seventh Ave., S. (E) Wittichen Chemical Co., 1899 Second Ave., S. (S) Worthington Corp., 802 Comer Bldg.

GADSDEN

Puckett & Co., 623 Henry St. (8)

LANETT

Dello Products Co., 1109-11 First St.

Star-Service Hanger Div., Young Spring & Wire

MOBILE

Bemis Bro. Bag Co., P. O. Box 1110
Dixie Hanger Co., 55 N. Commerce St.
Midland Paint & Varnish Co., 1715 Old Shell Rd.
Ramelli, Budolph, Frac., P. O. Box 141 (E)
Regan Co., 1751 Old Shell Rd. (E)
Ross, F. H., & Co., Inc., 51 Lipscombe St. (E & S)

MONTGOMERY

Butler Mfg. Co., 2258 Lexington Rd. Dixie Laundry Machinery Co., 1124 Houston St. (E) (E) Franklin Equipment Co., 1216 Houston St. (E) Phenix Supply Co., 3420 Gilmer Ave. (E & S)

ARIZONA

FLAGSTAFF

Cowden, John P., Co., 16 N. Agassiz (E & S)

PHOENIX

Bemis Bro. Bag Co., 624 Security Bldg.

Cowden, John P., Co., 2245 N. 10th St. (E. & S)

Deluxe Cicaners & Dyers, 1017 S. Third St.

Dick's Supply Co., 924 E. Jefferson (S)

Graham, Milt, Distributing Co., 2873 W. Osborn

Rd. (E & S)., Co., 319 Jackson St. (E & S)

Lvnch, John P., Co., 319 Jackson St. (E & S)

McKeeson & Robbins, Inc., Mefford Chemical

Div., 522 Security Bldg. (S)

Markin Machinery, Inc., 4362 N. 18th Ave.

Mefford Chemical Co., 502 S. Second St.

Milgram Distributing Co., 2975 W. Osborn Rd.

Patek & Co., 2121 S. 18th Ave. (E)

Riggs Equipment & Maintenance Co., 9425 N.

18th St.

Tony's Supply Co., 1000 N. Second (S) 18th St.
Tony's Supply Co., 1000 N. Second (S)
Tri-State Machinery Co., 2840 E. Washington S:
Western Chemical Co., 625 S. Fifth St. (E & S)
Wise Way Laundry & Cleaning Equipment, 458
N. 18th Ave. (E)
Worthington Corp., 1217 W. Jefferson St.

Cleaners & Laundry Equipment Co., Box 878 (E)

TUCSON

Copper State Chemical Co., Box 1110 (8) Cowden, John P., Co., 1137 N. Winstel Blvd. (E. Crane Co., 35 E. Toole Ave. Infileo Inc., 914 S. Campbell Ave., P. O. Box 5033 Western Chemical Co., 207 E. Pennington (E & S)

ARKANSAS

FORT SMITH

Cleaners Sales & Service, Inc., 3618 Townson Ave. Crane Co., 221 S. Ninth St. United Machinery Co., 3224 Midland Blvd.

Arkansas Paper Co., 622 E. Markham St. (S)
Capitol Chemical & Supply Co., 1214-16 Main St. (E & S)
Coffield & Moore Mfg. Co., 2812 Asher St. (E & S)
Cupples-Hesse Corp., 210 Terminal Warehouse
Bids.
Essick Mfg. Co., 3103 W. 32nd St.
Paisley Products. Inc., P. O. Box 56. Arch St. Sts.
Ramelli, Budolph, Inc., 500 E. Markham
(S) Thompson-Hayward Chemical Co., 3100 W. 65th, P. O. Box 85, Asher Ave. Sta.

TEXARKANA

Louisiana Paper Co., Ltd. (S)

CALIFORNIA

ALAMEDA

Hatters Supply House Inc., 615 Central Ave.

Kohnstamm, H., & Co., Inc., Encinal Terminal (E & S)

ALHAMBRA

Foxboro Co., 1212 S. Garfield

Haertel, Walter, Co., P. O. Box 643

ALTADENA

Hydraxtor Co., 940 Athens Ave.

ANAHEIM

Keever Starch Co., 700 S. Euclid Ave.

BELL GARDENS

BERKELEY

EARELET Allied Equipment Co., 1599 San Pablo Ave. (E) Cleaners Service, 2014 A-Ashley (E) Colgate-Palmolive Co., 2700 Seventh St. Curtis Mfg. Co., 2003 San Fablo Ave.
Launderette Sales & Equipment Co., Inc., 2054

University (8)
Martin Equipment Co., Div. American Laundry
Machinery Co., 1509 San Pablo Ave.
Pennsalt Chemicals Corp., 223 Woolsey
Bidg., 2168 Shattuck Ave.
Ross Heat Exchanger Div., 1715-B Solano Ava.

BEVERLY HILLS

National Marking Machine Co., 117 N. Doheny Dr.

Aeroquip Corp., Western Div., 3015 Winona Ave.

Le Roi Div., Westinghouse Air Brake Co., 426 E.

CULVER CITY

Lindy Sales Co., 9601 W. Jefferson Blvd. National Dye House, 5812 W. Washington Blvd.

DIABLO

Onken, Edwin S., Co., Box 336 (E & S)

DOWNEY

Darnell Corp., Ltd., 12000 Woodruff Ave.

EL MONTE

Clayton Mfg. Co., 401 N. Temple City Blvd.

EMERYVILLE

Besler Corp., 4053 Harlan St.

Hildebrand Supply Co., 2225 Fresno St. (E & S) Naman Supply & Equipment Co., 540 Belmont

GARDENA

Amber Mfg. Co., 16220 S. Figuerea St. Warco Laboratories, 13609 S. Normandi

GLENDALE

California Cleaners Equipment & Supplies, 1985 S. Central (E & S) Flexonics Corp., 109 Glendale Ave., S. Newbouse Specialty Co., Inc., 3827 San Fernando Rd., P. O. Box 1289

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B. & B. Cleaning Equipment Co., 12943 Archwood St., N. Plezonica Corp. St., N.
Flexonics Corp., 993 Guaranty Bldg., 6331 Hollywood Blvd.
Hahn Equipment Co., 1638 Wilcox Ave. (E)
Martin Equipment Co., Div. American Laundry
Machinery Co., 1638 N. Wilcox Ave.

INCLEWOOD

Ardmor Chemical & Equipment Co., 323 E. Besch Ave. (E & S)

LA CANADA

Carson, E. E., 5835 Princess Ann Rd. (8)

LONG BEACH

Campbell, J. A., Co., 648 E. Wardlow Rd. Coones Supply, 412 E. Third St. (E & S) Crane Co., 824 W. Anaheim St. Federal Cleaners & Chemical Supply Co., 412 E. Third St. (E & S)

LOS ANGELES

Advance Dry Cleaning Equipment Co., 2703 W. Sunset (E).
Aerol Co., Inc., 1731 Workman St.
Ajax Press Co., 1736 N. Spring St. (E).
Ajax Supply Co., 8219 S. Main St. (E & S).
Ald, Inc., 7402 Snnset Blvd.
Allegheny Ludlum Steel Corp., 5333 E. Slauson

All-Top Cleaners Equipment Co., 7063 Melrose
(E)

(E) Alrose Chemical Co., 3529 E. Olympie Blvd. Ambassador Continuous Towel Cabinet Co., 125 N. Mission Rd. American Antines Products, Inc., 1019 S. Grand American Brake Shoe Co., Kellogg Div., 3355 Slauson Ave. American Brass Co., American Metal Hose Div.,

816 W. Fifth St.
American Chemical & Products Co., 3287 Casitas
Ave. American Cleaners & Laundry Supply Co., 4310

Ave.
American Clemers & Laundry Supply Co., 4310
W. Jefferson Blyd. (E & S)
American Coat Hanger Mfg. & Specialty Co.,
4310 W. Jefferson Blyd.
American Hair & Felt Co., 1335 N. Ditman
American Laundry Machinery Co.,
Tall E. Functh St.
American Mineral Spirits Co., 555 S. Flower St.
American Mineral Spirits Co., 555 S. Flower St.
American Pressing Machine Service (E)
American Steriliser Co., 1715 W. Eighth St.
American Steriliser Co., 1715 W. Eighth St.
American Steriliser Co., 1715 W. Eighth St.
Arabol Mig. Co., 455 E. Canning St.
Arabol Mig. Co., 455 E. Canning St.
Armite Laboratories, 600 Broad St.
Atlas Powder Co., Chemicals Div., 411 W. Fifth
St.

Balley Meter Co., Chemicals Div., 411 W. Fifth St.
Balley Meter Co., 1709 W. Eighth St.
Ballinger, W. A., 1126 S. Santa Fe Ave. (S)
Bennis Bro. Bag Co., 5401 Slauson Ava.
Billoo Steam Equipment Co., 1209 S. Main (E)
Blackus Cleaners Supply, 724 W. 97th St. (S)
Bootitch-Western, Inc., 5140 Via Corona
Boxstresser, C. D., 1126 Eppsso Dr.
Bowser, Inc., 2546 W. Seventh St.
Boyd, H., McCann Laundry Machinery, 5700 S.
Main St. (E)
Braug, Philip N., Inc., 2484 W. Washington (E) Main St. (E) Braun, Philip N., Inc., 2484 W. Washington (E) Brillo Mfg. Co., Inc., 224 N. Western Ave. Bristol Co., 810 S. Spring St. Brown, H. B., Co., 1273 Westwood Blvd., P. O.

Brown, H. B., Co., 1273 Westwood Blvd., P. O. Box 24078 (E) Browning, E. S., Co., 2221 Yates St. California Cicaners Equipment & Supplies, 1805 S. Central film, (E) S. Central Gin., (E)
California Drycleaning & Laundry Machinery Co.,
3027 Fruidand Ave. (S)
Callaway Mills, Inc., 111 W. 7th St.
Cal-See Distributing Co., 7521 Melross Ave. (E)
Calusa Chemical Co., 2122 Secramonto St. (S)
Carrier Corp., 5339 Harbor St., P. O. Box 6768
Carrier Pack Co., Ltd., 1709 W. 8th, O. Box 6768
Carly Pack Co., Ltd., 1709 W. 8th, Callange Mills Co., 1401, 1601,

Blvd.

Blvd.

Chandler Machine Co., 934 S. Main St.
Chlorine Solutions, Inc., 6019 Riverside Dr.
Chrisman, E. L., Co., Inc., 8255 Compton Ave. (E)
Cissell, W. M., Mfg. Co., Inc., 4823 W.
Jefferson Blvd.
Cleaner Sales Service, 3000 S. Main (E) Cleaners Sales Service, 3000 S. Main (E) Clear-Pak Sales, 2104 S. Crescent Heights Blvd.

(S) Continuo Corn Processing Co., 1248 Wholesale St. Clothes Bleach Co., 3325 Emery St. Cone Mills, Inc., 111 W. Seventh St. Continuotal Car-Na-Var Corp., 6630 S. McKinley

Continental Equipment Co., 8263 Compton Ave. (E & S) Coolidge, John E., 2508 W. Slauson St. (E) Crosby Steam Gauge & Valve Co., 2004 Santa Fe

Ave.

Ave.
Crucible Steel Co. of America, 6033 E. Bandini
Blvd.

Cunningham Pressing Machine Service, 1127 W. 20th St. (R) 20th St. (18) Curtis Mfg. Co., 2344 S. Grand Ave. Custom Engineering Co., 3183 W. Slauson Ave. Custor-Hammer, Inc., 1331 Santa Fe Ave. Darco Dept., (Atlas Powder Co.), 411 W. Fifth

St.
Davis, K. H., Mfg. Corp., 2415 E. 23rd St.
D'Angelo, John, & Co., 11130 S. Vermont (E)
De Laval Steam Turbine Co., 124 W. Fourth St.
Detrex Chemical Industries. Inc., 2047 Fruitland

Ave. DeVilbiss Co., 1420 S. Los Angeles St. Dicalite Dept., Great Lakes Carbon Corp., 612 S. Flower St. Dixon Boiler Works, 1625 Naud St

Dow Chemical Co., 990 Wilshire Blvd.
Dunham-Bush, Inc., 2520 Council St.
DuPont de Nemours, E. I., & Co., Inc., P. O. Box

DIPLOTE GE NEMOURS, E. I., & C.O., 18c., P. U. BOX 70
Electric Storage Battery Co., 1043 S. Grand Ave.
Elliott Co., 714 W. Olympic Bidg., Room 323
Essiek Mfg. Co., 1950 Santa Fe Ave.
Fafnir Bearing Co., 1818 S. Flower St.
Filtrol Corp., 3230 E. Washington Bivd.
Flintkote Co., 35th & Alemeda St.
Foster Machinery Co., 1220 E. 55th St. (E)
Foxboro Co., 2307 E. Eighth St.
French Unique Suede Cleaners, 7611 Meirose
GMC Truck & Coach Div., General Motors Corp.
Garment Hanger Co., 3242 Geraldine St.
General Chemical Div., Allied Chemical & Dye
Corp., 1151 S. Broadway
Censral Pacific Corp., 1601 E. Washington Blvd.
Germanir's, Inc., Twist-Ems Div., 747 Terminal
St.

Globe Ticket Co. of California, 420 S. San Pedro St.

St. Goss-Jewett & Co., Inc., 6400 Fleet St. (E & S) Guaranteed Service Co., 855 E. Manchester (E) Handy Button Machine Co., 1126 S. Los Angel St.

Handy Service Co., 503 E. Parameters Handy Specialties, 9159 W. Pico Bivd. Handy Specialties, 9159 W. Pico Bivd. Hard-Cobb-Carley Co., 316 S. Los Angeles Haskelite Mfg. Corp., 438 Chamber of Commerce Bidg., 1151 S. Broadway Hereules Powder Co., 1151 S. Broadway Hide Floor Machine Co., 116, 2471 W. Third St. Hill Bros. Chemical Co., 2159 Bay St. (S) Hoffman Machinery & Service Company, 412-14 West Pico Boulevard Hollingsworth & Vose Co., 649 S. Olive St. Hollywood Supply Co., 1170 N. Western (E & S) Holt Mfg. Co., 4119 S. Broadway Hide Co., 1148 Wholesale St. Hubinger Co., 1248 Wholesale St. Hubinger Co., 1248 Wholesale St. Hubinger Co., 1248 Wholesale St. Hig Electric Vestilating Co., 1709 W. Eighth St. Ink-O Products Co., 5101 Monte Vista St. Ink-O Products Co., 5101 Monte Vista St. International Nickel Co., Fetroleum Bidg. 18elin.-Jefferson Co., 1nc., 784 S. San Pedro St. Johns-Manville, 816 W. Fifth St.

Iselin-Jefferson Uo., Anton Pedro St., Johns. Manyile, 816 W. Fifth St. Jones, H. H., "Tiny," 1786 N. Spring St. (E) Kennedy Car Liner & Bag Co., Inc., 4915 Melrose Kewanee Boiler Corp., 329 Crocker St., Kirkpatrick, C. K., Specialties Co., 7220 Melrose

Nikpairiek, C. A., Specialius Co., 1219 nieriose Avc. (8) Kir's Suede & Leather Cleaners, 7220 Meirose Avc. Kir's Suede & Leather Cleaners, 7220 Meirose Avc. Kohnstamm, H., & Co., Inc., 2632 E. 54th St., Kuntington Park (E & S) Kriegh, Geo., Laundry Machinery, 1786 N. Spring

on Corp., 306 E. Washington Blvd., Laundry & Cleaners Supply, 16

(S)
Laundry Equipment Sales Corp., 5775 W. Pico (E)
Lever Bros. Co., 6300 E. Sheila St.
Liberty Marking Tag Co., fio., 749 S. Pedro St.
Lindy Sales Co., 3738 W. Washington Blvd. Link-Belt Co., 361-389 S. Anderson St. Los Angeles Chemical Co., 1990 Santa Fe Avs. (3) Los Angeles Hoffman Machinery & Service Co.,

Los Angeles Hoffman Machinery & Service Co.,
412-14 W. Pico Blvd.
Loc Angeles Scap Co., 417 E. First St. (8)
Lynch, John P., Co., 4702 E. 50th St. (8)
Mass, Leo, Co., 5417 Sts. Monica (E)
Mallinekrodt Chemical Works, 923 E. Third St.
Macoon-Neilan Regulator Co., 1457 S. Concord St.
Mefford Chemical Co., 1028 Sants Fe Ave. (8)
Merton Supply Co., 466 S. Atlantic Blvd. (E & S)
Mexico Refractories Co., 4502 Pacific Blvd.
Midland Paint & Varnish Co., 6005 Hollywood
Blvd Blvd.

Mine Safety Appliances Co., 325 Wall St., Mitchell, Clinton H., 7866 Woodrow Wilson Dr.

Mitchell, J. B., Co., 4928 W. Jefferson Blvd. (E)

Mount Vernon Mills, Rac., 1111 W. 7th St. Nagel Cost Hanger Co., 2313 S. San Pedro St. Nicholas, Ben L., Co., 315 W. 9th St. (E & S) North American Electric Lamp Co., 1813 Matea

St. St. American Esective Lamp Co., 1813 Mates St. Nuodez Products Co., Inc., 912 E. Third St. Oakite Products, Inc., 1001 E. First St. Passche Airbrush Co., 7822 S. Santa Fe Ave. Pacific Aikali Co., 523 W. Sixth St. Pacific Coat Hanger Mfg. Co., 6716 Avalon Blvd. Pacific Coat Borax Co., 630 Shatto Piace Pacific Laundry Machinery Co., 11160 Avalon Blvd. (E)
Pacific Laundry Equipment Service, 5137 Santa Monica Blvd. (Parts Mfg. Corp., 1235 S. Olive St.

PANTEX

Direct Factory Branch

1235 South Olive Street. Les Angeles 15, Calif. Tel. Richmond 9-8336

Parker, Sid E., Boiler Mfg. Co., 2005 E. 37th St. Park & Tiford, 2045 Santa Fe Ave. Patek & Co., 2472 Hunter St. (E & S) Peerless Pump Div., Food Machinery & Chemical Corp., 201 West Ave., 25 Pennsait Chemicals Corp., 4820 Loma Wista Ave. Vista Ave.

Vista Ave.

Permaible Corp., 296 Westholme Ave.

Permutit Co., 124 W. Sixth St.

Powers Regulator Co., 1808 W. Eighth St.

Prescott. Geo. M., Co., 1857 E. 28th St. (E)

Procter & Gamble Distributing Co., Rm.
888, 1151 S. Broadway

Prosperity Co., Div., Ward Industries
Corp., 2464 W. Washington Bivd.

Prym., William, Inc., 1151 E. Broadway

Prym, William, Inc., 1151 E. Broadway
R, M. F. Euctric Co., 717 Maliman Ave.
Rapida-Standard Co., Inc., e22 E. Third St.
Macroda Corp., B39 S. Broadway
Republic Steel Corp., General Petroleum Bidg.
Ravers Copper & Brass, Inc., 560 E. Slauson Ave.
Romaine Fielding & Associates, Inc., 5308 Melrose Ross Laundry Machinery Co., 510 W. 12th St. (E) Sampson Supply Co., 255 W. Santa Barbara Ave.

Sandos Chemical Works, Inc., 467 E. Third St. Schramm, Inc., 101 E. Eighth St. Scc-O-Matic Corp., 5729 E. Normandie St. Self Service Laundry Supply, 2006 S. Western (S) Shell Oil Co., 1006 W. 6th St. Sink, Paul C., Co., Inc., 4001-97 S. Main St. (E)

Shell Oil Co., 1009 W. 8th St. Sink, Paul C., Co., Inc., 6901-97 S. Main St. (E) Southern Mills, Inc., 1691 S. McGarry St. Stadham Co., Inc., 749 S. San Pedro St. Spencer Turbins Co., 456 S. Los Angeles St. Stainpruf Mfg. Co., 2623 E. Seventh St. Stauffer Chemical Co., 84 Wilshire Bivd.

Steamaster Automatic Boiler Co., \$819 S. Comp-Steminaster Automate Boute Co., 2227 E. 37th St. Sterling Electric Motors, Inc., 3401 Telegraph Rd., Sun-Ray Products, 449 Hazard Ave.
Super-X. Bleach Co., 449 Hazard Ave.
Surewhite Blesch Co., 6019 S. Riverside Dr., Sweda Cash Register, Inc., 3104 Wilshire Blvd. Swift & Co., Industrial Soap Dept., 2891 E. Vernen Tanner Supply Co., 1518 Compton Ava., (E & B) Taylor Host Inc., 418 Griffin Ava. Textile Marking Machine Co., Inc., 2184 W. Washington Blyd. al Soap Dept., 2601 E. Vernen 1515 Compton Ava., (E & 8) Tingue, Brown & Co., 723 E. Washington

Blvd. Tower Chemicals, Inc. Truy Laundry Eachinery Div., American Machine & Metals, Inc., 4909 W. Jeffer-

son Blvd.
Union Carbide Chemicals C
Union Oil Co. of California emicals Co., 416 W. Eighth St. United Chemical & Supply Co., \$251 Compton Ave. (F. & S).
U. S. Mining Corp., \$353 Wiltabire Bivd.
U. S. Rubber Co., 784 S. San Pedro St.
U. S. Spring & Bumper Co., 4851 Alcoa Ave.
U. S. Tissue Converting Co., 1846-50 W. Washington Bivd.

utilities Supply Co., 1738 E. 15th St. (S)

Vic Manufacturing Co., 6201 S. Main St.
Viking Pump Co. of Los Angeles, 4432 Long Beach

Walworth Co., 2655 S. Eastland Ave. Warco Laboratories, 1638 W. Vernon Ave.

(Continued on next page)

BOLD TYPE LISTINGS

Los Angeles (Continued)

Wellington Sears Co., 111 W. Seventh St., Room Western Boiler Co., 1800 N. Indiana St.
Western Chemical Co., 3278 E. Washington Blvd.
(E & S)

West Side Cleaners Supplies, 2906 S. Robertson Blvd. (E & S)
West Side Cleaners Supplies, 2906 S. Robertson Blvd. (E & S)
Westvaco Chlor-Alkall Div., Food Machinery & Chemical Corp.
Willeor & Gibbs Sewing Machine Co., 112 E. Ninth Bl.
Wood, George, Sons & Co., McComas Building Worthington Corp., 5075 Santa Fe &ve.
Wyandotte Chemicals Corp., J. B. Ford Div., 8921 Dice Ed., Los Bictos, Box 147
Yarnall-Waring Co., 1855 Industrial Ave.

LOS NIETOS

Wyandotte Chemicals Corp., J. B. Ford Div., 8921 Dice Bd.

MANTECA

B & B Cleaning & Laundry Equipment Co., 214 N. Sherman (E)

MILLBRAE

Multi-Clean Products, Inc., 197 Popular St.

MONTERELLO

Meese, Inc., 3311 Beverly Blvd.

Westvaco Chlor-Alkali Div., Food Machinery &

Rojam Associates, 588 Goodrich Way (S)

OAKLAND

Ardmor Chemical Co., 750 Stone St. (E & S) B. & B. Cleaning Equipment Co., 3601 San Pablo D. & B. Cleaning Equipment Co., 3601 San Pablo Brunje, B. H., 2915 Harrison St. California Lauadry Equipment Co., 2221 Union St. (E) Cenners Equipment St. (h) Cleaners Equipment & Machinery Excusage, 2351 Grove St. (E) Cleaning Equipment & Machinery Co., 3251 Grove St. (B) Clerox Chemical Co., 850 42nd Ave.
Echoo Sales Co., 501 E, 12th St. (E & S)
Ferguson Pressing Machine Service, 3132 Berlin Forse-Glatt Western Sales, Inc., 4148 MacArthur Forse-Glatt Western Sales, Inc., 4148 MacArthur Blvd. (E) GMC Truck & Coach Div., General Motors Corp., 2121 Reralta St. Gerlach's, 1001 Tenth Ave. (E & S) Gelding Cleaners Repair Co., 2008 12th Ave. Hardt, G. (Co., 301-307 Seventh St. Holt Mfg. Co., 551-31 20th St. Kohnstamm, H., & Co., Inc., Encinal Ter-minal, Alameda (E & S) Link-Belt Co., 1025 Harrison St. Notch, M. A., Corp., 110 Hegenberger Loop, Box Oakland Cleaning & Laundry Machinery Co., 1105-Obsigned Cheming & Limitary Machinery Co., 1905-Strd St. (E & S)
Oakland Supply Co., 2841 Grove St. (S)
Pacific Laundry Equipment Service, Inc., 5658
College Ave. (E)
Pantex Mfg. Corp., 4133 Broadway
Rosenberg Bros., 372-374 12th St. (E & S)
Russell Laundry Machinery Co., 600 18th St. (E)
Tork Clock Co., Inc., 223 29th St.

PALO ALTO

Carver Pump Co., 412 Kipling St. Keever Starch Co., 788 Sutter Ave.

PASADENA

Barber-Colman Co., 190 E. Glenarm St., Hills Drier Co., 56 M. Hill Ave. Kreigh, George W., Laundry Machinery Co., 56 N. Hill Ave. (E) Lucas. Claude E., Associates. 208 Oak Knoll Bidg., 380 E. Colorado St. Olin Mathieson Chemical Gorp., Industrial Chemicals Div., 3848 E. Colorado St. Bldg. Yarnall-Waring Co., 380 E. Green St.

PETALUMA

Kreeky Mfg. Co., Inc., 307 Third St.

REDWOOD CITY

Prym, William, Inc., 2549 Middlefield Rd.

RICHMOND

Krasan Products, Inc., 1230 Edward St., P. O. Box 1166
Patek & Co., 3006 Maracopa St.

RIVERSIDE

Dunham-Bush, Inc., 1850 Massachusetts Ave. Revere Copper & Brass, Inc., 2626 Kansas Ave.

SACRAMENTO

Butter Engineering Co. of Calif., P. O. Box 2160 Norris & Atherton Laundry & Drycleaning Equip-ment Co., 2922 Broadway (E) Pallviny & Son, 20th & O Sts. (S) Patek & Co., 3321 Hunniout Lane Shell Oil Co., 1024 - 13th St.

SAN CARLOS

Combustion Control Corp., 785 Cordillorss Ave.

SAN DIEGO

AN DIEGO
Buel Town Co., 275 Fifth Ave. (E & S)
Chemical Specialty & Equipment Co., 3771 Couts
St. (E & S)
Engel Equipment Co., 305 Weshington St. (E)
Harrigan's Laundry & Cleaning Equipment, 3473
University Avs. (E)
Pre-Marked Strip Tag Co., 3232 India St., P. O. Pre-Marked Strip 1ag Co., 850s inum St., r. v. Box 2430 Ragiand, A. R., Machinery Co., 1401 Imperial Ave. (E) San Diego Laundry Supply Co., 2344-30th St. (E & S) Thacher, Lester E., & Co., 115 West F St.

SAN FRANCISCO

Abbot, S. L., Co., 135 King St. (S)
Ald, Inc., 1355 Market St. (E)
Allegheny Ludium Steel Corp., 38 Berry St.
Allied Cleaners Supply, 4699 - 19th Ave. (S)
Allis, Louis, Co., 967 Tennessee St.
American Brass Co., American Metal Hose Div., American Brass Co., American Metal Hose Div., 111 Sutter Bidg.
American-La France-Foamite Corp., 24 12th St.
American Laundry Machinery Co., 1600
Bryant St.
American Mineral Spirits Co., 725 Second St.
American Mineral Spirits Co., 725 Second St.
American Mineral Spirits Co., 725 Second St.
American Steriliser Co., 1970 Bryant St.
Angelica Uniform Co., 350 Blits St.
Arabol Mig. Co., 1350 16th St.
Atlas Powder Co., Chemicals Div., 806 Crocker
First National Bank Bidg.
Balinger, W. A., & Co., 30 Otts St. (8)
Bannon Laundry Machinery, Inc., 364 Russ Bidg.
(E & S)
Barried Sunlight Paint Co., 301 Mission St.
Bemis Bro. Bag Co., 1000 Sansome St. (n. & S)
Barreled Sunlight Paint Co., 201 Mission St.
Bemis Bro. Bag Co., 1000 Sansome St.
Blackmer Pump Co., 208 Folsom St.
Blackmer Pump Co., 208 Folsom St.
Blaben Mfg. & Supply Co., 2785 McAllister St.
(E & S)
Bowser, Inc., 488 Ninth St.
Bowser, Inc., 488 Ninth St.
Braun Knecht-Heimem Co., 1400 16th St. (S)
Braun, Philip N., Inc., 1243 Van Ness Ave. (E)
Bristol Co., 40 Berry St.
Browning, E. S., Co., 1515 Third St. (S)
Calgon Co., Div., Hagan Chemicals & Controls,
Inc., 2 Pine St.
California Laundry Equipment Co., 2221 Union (E) California Trimming Co., 1725 O'Farrell St. (8) Callaway Mills, Inc., Western Merchan-dise Mart Caluas Chemical Co., 275 Brannan St. Calusa Chemicai Co., 215 Brannan St. Carrise Corp., 251 First St. Carry-Pack Co., Ltd., 245 Natoma St. Ciba Co., Inc., 1230 Howard St. Clinton Corp Processing Co., 233 Brannan St. Colgate-Palmolive Co., 215 Market St. Columbia-Southern Chemical Corp., 625 Market Cone Mills, Inc., 605 Market St. Continental Car-Na-Var Corp., 7 Front St. at Market
C-O Two, 977 Mission St.
C-O Two, 977 Mission St.
Crucible Steel Co. of America, 2050 Bryant St.
Cutler-Hammer. Inc., 2130 Third St.
Daniels. C. R., Inc., Rm. 427, 420 Market St.
DaBothesat Fane Div., American Machine &
Metals, Inc., 1201 Folsom St.
De-Groot's Laundry Equipment Service, 2841
Judah St. (E & S)
De Laval Steam Turbine Co., Rialto Bldg.
Dennison Mfg. Co., 1842 Russ Bldg.
Dennison Mfg. Co., 1842 Russ Bldg.
Detecto Scales, Inc., 2415 1745 St.
Diamond Chemical Co., 720 Clementina St.
Dicalite Dept., Great Lakes Carbon Corp., 55 New
Montgomery St. Market

Montg er Mfg. Div., Dresser Industries, Inc., 580 Dresser Mig. 2007.

Market St.
Drew, E. F., & Co., Inc., 268 Market St.
Dunham-Bush, Inc., Phelan Bldg., 760 Market St.
DuPont de Nemours, E. I., & Co., Inc., 225 Sec-

lastern Cyclone Conveyor System, Inc., 1600 Bryant St. 1600 Bryant St.

Electric Storage Battery Co., 6150 Third St.
Elgim Softener Corp., 420 Market St.
Elliott Co., 1504 Russ Bldg.
Elliott Co., 1504 Russ Bldg.
Fafrir Bearing Co., 434 Larkin St.
Farrar Industrial Products Co., 495 Clementina
Flexonics Corp., 1485 Bayshore Blvd.
Foxhoro Co., 246 Fremont St.
Fuller Supply Co., 1725 O'Farrell St. (E & S)
Gardner-Denver Co., 311 Folsom St.
Garlen Co., 10c., 325-327 Divisadero St. (E & S)
General Chemical Div., Allied Chemical & Dye
Corp., 235 Montgomery St.
General Dyestuff Corp., 37 Clementina St.
General Pacific Corp., 127 10th St. Goss-Jewett Co. of Northern California, 560 - 7th (E & S)
Graton & Knight Co., 1219 Folsom St.
Hammel-Dahl Co., 116 New Montgomery St.
Heminway & Bartlett Mfg. Co., 583 Howard St.
Heminway & Bartlett Mfg. Co., 583 Howard St.
Hercules Powder Co., 225 Bush St.
Hild Floor Machine Co., Inc., 420 Market St.
Hoffman Machinery Distributors of San Francisco, Inc., 1142 Mission St.
Homig, S., Supply Co., 1844 Genry St. (E & S)
Horn, A. C., Co., Inc., 251 Townend St.
Hotchkiss, Allen, Co., 3357 Geary Blvd. (E)
Howe Scale Co., 124 Fourth St.
Murco Milling Div., Hercules Powder Co., 120 Mentgomery St. 120 Montgomery St.

Ingersoll-Rand Co., 350 Brannan St.
Iselin-Jefferson Co., Inc., 420 Market St.
Johns-Manville, 116 New Montgomery St.
Keanedy Car Liner & Bag Co., Inc., 420 Market St.
Kewanee Boiler Corp., 637 Minna St.
King, O. L., Co., 438 Clementina (S)
LF & D Equipment Co., 442 Commercial St. (E)
Lamson Corp., 535 Bryant St.
Launderette Sales & Equipment, Inc., 923 Larkin

LF & D Equipment Co., 442 Commercial St. (E)
Lamson Corp., 555 Bryant St.
Launderette Sales & Equipment, Inc., 925 Larkin
St. (E)
Laundry & Drycleaning Equipment Co., 1147
Mission St. (E & S)
Link-Belt Co., 460 Paul Ave.
Los Angeles Soap Co., 1485 Bayshore (S)
Lustrol Drycleaning Products Co., 1900 16th St.
Lynch, John P., Co., 1461 16th St. (S)
Market Industries, Inc., 1900 16th St.
Mynch, John P., Co., 1461 16th St. (S)
Market Industries, Inc., 1900 16th St.
Mesico Refractories Co., 2040 Pourth St.
Mine Safety Appliances Co., 1245 Howard St.
Mitchell, J. B., Co., 262 Chester Ave. (E)
Mutual Supply Co., 260 Chester Ave. (E)
Mutual Supply Co., 260 Chester Ave.
Mashua Corp., 1355 Sarket Sq., Space 280
National Aniline Div., Allied Chemical & Dye
Corp., 517 Howard St.
National Starch Products, Inc., 735 Battery St.
Nuoder Products, Inc., 626 Merchante Erchange Bidg.
Oakite Products, Inc., 626 Merchante Erchange Bidg.
Oakite Products, Inc., 626 Merchante Erchange Bidg.
Oakite Products, Inc., 836 Merchante
St.
Oakville Ce., Div. Scovill Mfg. Co., 430 Brannan
St.
Ohio Injector Co., 332 Montgomery St.

Oakville Ce., Div. Scovill Mfg. Co., 430 Brannan St.
Ohio Injector Co., 333 Montgomery St.
Pacific Agencies, Inc., 333 Montgomery St.
Pacific Agencies, Inc., 333 Montgomery St.
Pacific Laundry Equipment Service, 1885 Monadnock Bidg. (E)
Pantex Mfg. Corp., 1069 Mission St.
Patak & Co., 1900 18th St. (E & E)
Permutit Co., 35 New Montgomery St.
Procter & Gamble Distributing Co., 785
Market St.
Prosperity Co., Div., Ward Industries

Market St.
Prosperity Co., Div., Ward Industries
Corp., 1243 Van Ness Ave.
Pyrese Mfg. Co., 1177 Mission St.
Prym., William, Inc., c/o Glenn B. White & Associates, 1835 Market St.
Rapids-Standard Co., Inc., 444 Branzon St.
Ray Oil Burner Co., 1301 San Jose Ave.
Reading-Pratt & Cady Div., American Chain &
Cable Co., Inc., 695 Bryant St.
Recordak Corp., 220 Post St.
Reliance Cleaners Equipment Co., 333 Divisadero

(E) Republic Flow Meters Co., 420 Market St.
Republic Steel Corp., 225 Rialto Bldg.
Revere Copper & Brass, Inc., 115 New Montgomery St.
Roots-Connersville Blower Corp., 1101 Hearst
Bldg.

Roots-Connerville Blower Corp., 1101 Hearst Bldg.
Ross Laundry Machinery Co., 230 Seventh St. (E)
Sarco Co., Tho., 1485 Bayshore Blvd.
Seanlon, D. W., 1228 Mission St. (S)
Schramm, Inc., 395 Market St.
Shell Oil Co., P. O. Box 3147
Sheridan, J. T., Co., 1328 Mission St. (S)
Speedlite Chemicals Co.
Staley, A. E., Mfg. Co., 424 Spreckles Bldg., 2
Fine St.
Stauffer Chemical Co., 636 California St.
Super Laundry Machinery Co., 332 Montgomery
St.
St.

St. Essenies and Corp., 16 Beale St. Toledo Scale Co., 968 Mission St. Troy Laundry Machinery Div., American Machines & Metals, Inc., 650 Webster St. Union Carbide Chemicals Co., 114 Sansone St. United Laundry-Cleaning Equipment Co., 771 Jackson St. (E & S. U. S. Rubber Co., Koylon Div., 300 Second St. Walworth Co., 134 Montgomery St. Waro Laboratories, 234 Romain Ave. Wellington Sears Co., 605 Market St., Room 769 West Coast Laundry Machinery Co., 2246-17th St. (E)

WEST COAST LAUNDRY MACHINERY COMPANY

complete line of New and Rebuilt DRYCLEANING & LAUNDRY EQUIPMENT (DETREX & UNIPRESS DISTRIBUTORS) Market 1-6393

Western Supp. Westinghouse Vestern Supply Co., 808 Grant Ave. (S) Vestinghouse Electric Corp., Lamp Div., 1 Montgomery St. Wolf, Lee, 387 33rd Ava. (S)
Worthington Corp., 224 Townsend St.
Wyandotte Chemicals Corp., 219 Com
mercial Block Bidg., 149 California St.
Yarnall-Waring Co., 2300-26th St. 219 Com-

SAN CABRIEL

Elgin Softener Corp., \$18 E. Broadway Hatters Supply House, Inc., 316 Bartlett Ave.

SAN IOSE

Fox, Wm. W., Co., 146 Carrie St. (E & S) Western Pump Co., Ltd., \$22 W. Santa Clara St.

SAN LEANDRO

SAN MATEO

Ald, Inc., 69 - 37th Ave. Dura-Tech Chemical Migra., 128-25th Ave.

SANTA ANA

Crane Co., 919 Poinsettia St. (E & S) Plas-Ties Co., 824 Poinsettia

SANTA BARBARA

Braun, G. A., Inc., P. O. Box 341

SANTA CLARA

DeVilbiss Co., 2725 Lafayette St.

SANTA MONICA

Pinnacle Products Corp., 2007 Broadway Spasier Scap & Chemical Co., 1619 20th St.

SHERMAN OAKS

Bye Supply Co., 12820 Ventura Blvd. (8)

SOUTH GATE

Los Angeles Chemical Co., 4545 Ardine St. (S)
Maae, A. R., Chemical Co., Div. Vistor Chemical Corp., 4570 Ardine St.
Purer Corp., Ltd., 9300 Rayo Ave.
Victor Chemical Works, 4570 Ardine St.

SOUTH PASADENA

National Technical Laboratories, 820 Mission St.

SUNNYVALE

Bowser, Inc., 102 Sunnyside Ave.

Zel-Tex Co., Inc., 1623 Sears Point Rd.

VAN NUYS

Hammel-Dahl Co., 4858 Atoll Ave.

WHITTIER

Mead, George E., Co., 11240 Arroyo Dr.

WILMINGTON

Bemis Bro. Bag Co., 830 East D St. Hooker Electrochemical Co., 953 Pier A St Notch, M. A., Corp., 1147 N. Avalon

COLORADO

COLORADO SPRINGS

Ideal Cleaners, 226 E. Pike's Peak Ave. Mohl, Hedda Sibur Mothproof Co., 17th & Manitou Blvd. Smith, R. B., Co., 1869 S. Nevada Ave.

American Brass Co., American Metal Hose Div., 909-17th St. American Cleaner & Laundry Supply Co., 860 merican-La France-Foamite Corp., 1741 Arap-ahoe St. an Sales Co., 373 Jackson (E Angelica Uniform Co., 1108 17th St. Bailey Meter Co., 1506 Jackson (E) Bemis Bro, Bag Co., 424 W. U. National Bank Bidg.
Bostitch-MacDermed Co., W. Colfax, Champa & Eighth Sts.
Bowser, Inc., 1606 Broadway
Braun-Knecht-Heimann Co., 2301 Blake St. (S)

Bristol Co., Hamilton Associates, 381 Gas & Else-

Bristol Co., Hamilton Associates, 331 Gas & Electric Bldg. Co., c/o Banker Nicholls Brokerage Co., F. O. Box 5164, Terminal Annex Carman Co., 510 Curtis (S) Carrier Corp., c/o Stearns-Roger Mfg. Co., 1718 California St. Carter, Ralph, 42 S. Ash St. Carter, Ralph, 42 S. Ash St. Chemical Sales Co., The, 1125 Seventh St. (E & S) Colorado Tent & Awning Co., 1642 Lawrence St. Cowell Distributing Co., 2136 Court Place (E) Crane-O'Fallon Co., 1531 13th St. Crucible Steel Co. of America, 63rd Ave. & Colorado Bivd., F. O. Box 5064

Cutler-Hammer, Inc., 1526 Blake St.
Denver Fire Clay Co., P. O. Box 5510 (8)
Dry Cleaning Services, Inc., 4545 E. Colfax Ave.

Electric Storage Battery Co., \$10 14th St. GMC Truck & Coach Div., General Motors Corp., \$20 W. 12th Ave.

GMC Truck & Coach Div., General Motors Corp., 429 W. 12th Ave.
Gates Rubber Co., 999 S. Broadway
General Chesnical Div. Allied Chesnical & Dye
Gorp., 1271 W. Bayand Ave.
Heppting's, John, Suede & Leather Cleaning, 3469
W. Fourth Ave.
Hild Floor Machine Co., Inc., 1441 Market St.
Howe Scale Co., 224 Walnut St.
Hurley Co., 2140 Market St. (8)
Lagewoll-Rand Co., 1641 Blake St.
Johns-Manville, 1755 Glenarm Pf.
Katzson Brothers, 860 Vallejo St. (E & S)
Ketch, L. B., 12 S. Zephyr St. (E)
Kevance Boiler Corp., 1226-23 California St.
Kohnstamm, H., & Go., Inc., 1700 15th St.
(E & S)

(H & S)
Laundry Supply Co., 1125 Seventh St. (E & S)
Laundry Supply Co., 1125 Seventh St. (E & S)
Lee Soap Co., 3062 Fox St.
Link-Beit Co., 521 Boston Bldg.
Le Roi Div., Westinghouse Air Brake Co., 610
Farmers Union Bldg.
MacDonadd Bros., 1635 Glenarm Place
Magic-Seal Paper Products, P. O. Box 1706
Martin Equipment Co., Div. American Laundry
Machinery Co., 1636 Welton St.
Martin Machinery Inc., 4426 Vine St. (E)
Merchants Chemical Co., Inc., 1211 W. 44th Ave.
(E & S)

(E & S)
National Paper Band Co., P. O. Box 126
Paisley Products, Inc., 224 Alameda Ave.
Pantex Mfg. Corp., 3195 Denver Pl.
Perfection Marking Machine Co., 441 Detroit St.
Permutit Co., 2301 Blake St.
Philadelphia Betting Co., 304 Equitable Bldg.

Perrection Marking Machine Co., 441 Detroit St. Permutit Co., 2301 Blake St. Philadelphia Belting Co., 904 Equitable Bldg. Procter & Gamble Distributing Co., Room 600, 1031 15th St.
R.E.M. Co., 157 E. Ninth St.
Radinski, A. D., 2000 W. Coffax Ave.
Reading-Pratt & Cady Div., American Chain & Cable Co., Inc., 2125 Blake St.
Recordak Corp., 1746 Champa St.
Republic Steel Corp., 303 Continental Oil Bldg. Scientific Packages Inc., 1827 Park Ave.
Scientific Packages Inc., 1827 Park Ave.
Scientific Packages Inc., 1827 Park Ave.
Scientific Oil Co., 130 U. S. National Bank Bldg.
Stadard Oil Co. (Indiana), 909 17th St.
Stauffer Chemical Co., 636 California St.
Stablins Mfg. & Supply Co., 1725 Blake St. (E)
Swift & Co., Industrial Soap Dept., Union Stock
Yards

Textile Marking Machine Co., Inc., 1581 S. Pearl hompson-Hayward Chemical Co., 1501 W. 18th Ave. (E & S)

Ave. (E & S)
Thore Products Co., 1340 Larimer St.
Toledo Scale Co., 1421 18th St.
U. S. Chemical Products Co., 800 Water St.
U. S. Rubber Co., 1512 Wasse St.
Western St.
West

LAKEWOOD

Ketch, L. B., 12 S. Zephyr Ave. (E)

LITTLETON

Mohawk Rubber Co., P. O. Box 169

CONNECTICUT

ANSONIA

American Brass Co., American Metal Hose Div.,

BRANFORD

Malleable Iron Fittings Co.

BRIDGEPORT

Bridgeport Brass Co., 30 Grand St.
Bridgeport Brass Co., 30 Grand St.
Eveready Supply Co., 200-5 Housatonic Ave. (8)
General Chemical Div., Allied Chemical & Dye
Corp., 214 Wordin Ave., West End P. O.
Hoffman Machinery Distributors, Inc.
McKesson & Robbins, Inc., 424 Granners Ave.
McKesson & Robbins, Inc., 424 Granners Ave.
McKesson & Robbins, Inc., 424 Granners Ave. (S) Metropolitan Body Co., 151 Kossuth St. Metropolitan Drycleaning Machinery Co., Inc., 38 Mesoal Circle (E)

P. O. M. G. MANITOWOC **Dry Cleaning Unit** FORSE SHIRT UNIT

Exclusive Distributor Metropolitan

Drycleaning Machinery Co., Inc. G.

36 MENCEL CIRCLE EDison 4-3000

MAIN OFFICE

127-19 101 Ave., Richmond Hill 19, N. Y. Tel. Hickory 1-4000

P. O. M. G.

Middlesex Paper Tube Co., Inc., P. O. Box 6004 Neva-Clog Products Inc., 606 Logan St. United Trimming & Mill Agency, 25 Middle St. (E & S)

BRISTOI.

a.

New Departure, Div. General Motors Corp. Thompson, H. C., Clock Co., 38 Federal St.

CHESHIRE

Lameon Corp., P. O. Box J

CHESTER

Smarta Washers, Inc.

DANBURY

North American Dye Corp., 22 North St.

DAYVILLE

Prym, William, Inc.
Rockwell, W. S. Co. 200 Elliot St.

FAIRFIELD

Rockwell, W. S., Co., 200 Ellist St.

GLENVILLE

American Felt Co.

CREENWICH

White Prost Chemicals, Inc., 315 W. Putnam St.

HARTFORD

Actna Life Insurance Co., 151 Farmington Ave. Allis, Louis, Co., 1125 New Britain Ave. (Elm-

wood)
American Laundry Machinery Go., 119
American Laundry Machinery Go., 119
American Co., Industrial Soap Div.
Automobile Insurance Co., 181 Farmington Ave.
Blutstein, D. & R., Inc., 278 Trumbull St. (8)
Butler Mig. Co., Volpi Rd., Manchester
Canvas Specialty Co., P. O. Box 337
Cleaners Service Co. of Conn., 147 Allyn St.
Fabre, Lindsay W., 178 Church St.
Gliston, M., Ibs., 230 Ann St. (E & S)
Hild Floor Machine Co., Inc.
Ingersoll-Rand Co., P. O. Box 1117
International Nickel Co., 75 Pearl St.

(Continued on next page)

BOLD TYPE LISTINGS

Hartford (Continued) Lewis National Corn

Exclusive Distributors in New Fnaland for: · LINIPRESS

· VIC Drycleaning Units . MILNOR

Washers - Extractors

- FULTON Boilers
- . CONTINENTAL Boilers

. MILLER

Washers - Extractors

LEWIS NATIONAL CORP. One Mt. Vernon St., Derchester 25, Mass.

Martin Equipment Co., Div. American Laundry Machinery Co., 147 Allyn St. Wattonal Marking Machine Co., P. O. Box 215 Oakite Products, Inc., Rm. 428 Capitol Bldg., 410 Asylum St. Prooter & Gamble Distributing Co., 983 Main St. Revere Copper & Brass, Inc., 410 Asylum St.
Sisson Drug Co., 729 Main St. (8)
Spencer Turbine Co., 480 New Park Ave.
Standard Five Insurance Co., 151 Farmington Ave.
Travelers Insurance Cos.
Veeder-Root, Inc., 70 Sergeant
Wonder Weavers, 29 Pearl St.

Rees-Davis Drugs, Inc.

MIDDLETOWN

Russell Mfg. Co.

NAUGATUCK

Risdon Mfg. Co., Risdon St.

NEW BRITAIN

Fafnir Bearing Co., Booth St.

NEW CANAAN

Revolite Div., Raybestos-Manhattan, Inc., 72 Summer St.

NEW HAVEN

Chemical Corp., 180 State St. (8) Crucible Steel Co. of America, 285 State St. (North Haven) Curraro Cleaners Supplies, 234 Putnam St. (S) Fransman, M. M., Co., 26 Elm St. (E & S)

PROTECTO QUALITY

Laundry Chemicals & Supplies M. M. FRANZMAN CO.

26 Elm St.

New Haven 10, Conn. Main 4-3665

Grossman, A., & Co., 10 Center St. (S) Kewanee Boiler Corp., 962 Chapel St., 514 Malley Bidg. Krevit, H., & Co., Inc., 73 Weiton St., (S) Settlow, M., & Co., 18c., 73 Welton St., (S) Settlow, M., ds Son, Inc., 131 Chestnut St., P. O. Box 1784 Wonder Weavers, 44 Whalley Ave. Worthington Corp., 285 Church St.

NORWALK

Rema Corp., Ruby St., P. O. Box 86

OAKVILLE

Oakville Co. Div., Scovill Mfg. Co., 28 Main St.

PLAINVILLE

Unit Wash Corp., 162 S. Washington St.

SANDY HOOK

Sani-Top Co., Inc., R. F. D. #1 (8)

SHELTON

Better Packages, Inc., 254 Canal St.

SOUTH NORWALK

Cash, J. & J., Inc., Chestnut St. Merchants Chemical Co., Inc.

STAMFORD

Stamford Chemical Co., 45 Jefferson St., P. O. Box 1131

STEPNEY DEPOT

Sani-Ton Co.

STEVENSON

Stevenson Co.

STRATFORD

Manning, Maxwell & Moore, Inc.

TORRINGTON

merican Brass Co., American Metal Hose Div., 179 Water St.

WAREHOUSE POINT

Empire Cardboard Corp., S. Main & Maple Sts.

WATERBURY

American Brass Co., American Metal Hose Div., 698 S. Main St. Apothecaries Hall Co., 8-28 Benedict St. (8) Apothecaries Hall Co., 8-28 Benedict St. (S)
Bristol Co.
Chase Brass & Copper Co., 236 Grand St.
Hoffman Machinery Distributors of Connecticut,
Inc., \$11 Bank St. (E)
Johnson Metal Hose, Inc., 16 Spercy St.
Mears-Kane-Ofeldt, Inc., Div. S. T. Johnson
Co., 135 W. Main St.
Oakville Div., Scoville Mfg. Co.

WEST HARTFORD

Bagshawe, A. S., Co., 154 La Salle Rd. (8) Dunham-Bush, Inc., 179 South St. Whitlock Mfg. Co., 90 South St.

WEST HAVEN

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Blvd. North American Electric Lamp Co., 1014 Tyler St. Nu-Pro Míg. Co., 2918 Washington Ave. Nu-Pro Sales Corp., 2918 Washington Ave. (E &

S) Oakite Products, Inc., 903 Continental Bldg., 3815

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Chemicals Div., 8000 Bonhomme St.
Pasache Airbrush Co., 3909 Olive St.
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Pasase Permutit Co., 3963 Olive St.
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Procter & Gamble Distributing Co., 407
M. Bighth St.
Prosperity Co., Div., Ward Industries
Corp., 4736 Easton Ave.
Prym. William, Inc., 903 N. 12th St.
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Recordad Corp., 1009 Olive St.
Republic Flow Meters Co., 183 Brentwood Blvd.
Republic Stel Corp., 811 Shell Bldg.
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Universal Match Corp., 1561 Locust St.
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Eastern Woolen Co., 1412 Harney St. (E & E)
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Kennedy & Parsons Co., 1002 N. 21st St. (E & S)
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Kennedmann, K., & Go., 160, 1307 Leavenworth St. (E & S)
Martin Machinery, 180, 752 N. 77th Ave.
Merchante Chemical Co., 265 Leavenworth St.
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Med J Laundry Machinery Co., 25 Court St. (E)
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Bergen Ave. (E)

Holland Supply Co., 213 Warren (E & S)

Holt Mig. Co., 272-278 Badger Ave.

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Procter & Gamble Distributing Co., 311 Springfield Ave.

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De Laval Steam Turbine Co., 825 Nottingham
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Pulm St.
Patlock Products, \$12-14 Melrose Ave. (E & S)
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Serger Mfg. Div., Republic Steel Corp., 1434

Rand Bidg.

Sison Laboratories, 30 Leslie St.

Bowner, Inc., 1616 Prudential Bidg.

Buffalo Meter Co., 222 Summit Ave.

Chemical Distributors, Inc., 1685 Main St.

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Cutier-Hammer, Inc., 295 Main St.

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Deameo, Inc., 1337 Jefferson Ave. (E)

Dicalite Dept., Great Lakes Carbon Corp., 975

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Rensselaer St. (E & S)

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Marclene Chemical Corp., 225 Warwick St.

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Reiman, 3, 3, 39 W. Outer St. Reliance Electric & Engineering Co., 487 Ellicott Sq. Bldg. Republic Flow Meters Co., Prudential Bldg. Republic Steel Corp., 1460 Grand Bldg. Revere Copper & Brass, Inc., 1807 Elmwood Ave. Ross Heat Exchanger Div., 1807 Elmwood Ave. Socony-Vacuum Oil Co., Inc., 120 Pearl St. (Continued on next page)

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U. S. Gauge Div., American Machine & Metals,
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U. S. Rubber Co., 133 E. Swan St.
Wiegand Laundry Machinery, Inc., 143 Perry St.
(E)

(E)
Worthington Corp., 37 Church St.
Wyandotte Chemicals Gorp., J. B. Pord
Div., 604 Lafayette Bidg., Broadway &
Washington St.
Yarnall-Waring Co., P. O. Box 45, Kensington Station

Ashley Equipment Corp., Albany-Saratoga Rd., (Route 9) (E)

ELMIRA

American-La France-Foamite Corp., 100 E. La France St. Horwitz Bros., 100 E. Church St. (S)

Pinnacle Products Corp., 188 Tarrytown

FAYETTEVILLE

Butler Mfg. Co., 324 Brookles Dr. Stedford Chemical Co., West Shore Siding (8)

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Fulton Process & Chemical Co., 95 Beacon St. Heminway & Bartlett Mfg. Co., 18-24 Third Ave.

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Boiler Equipment Co., 289 Main St. (E & S)

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Martens Chemical Corp., 243 Clinton Ave.

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Kordite Co., Div. Textron, Inc.

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Tele-Vue Packaging Products, Inc.

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Technical Tape Corp., 240 North Ave.

NEW YORK CITY

A & A Laundry Supply Co., 605 Hegeman Ave., Brooklyn (S) A & A Laundry Supply Co., 603 Regensin Ave., Brooklyn (8) A.A.A. Weaving Service, 1182 Madison Ave. ABC Collar 'N' Cuff Co., 423 Broadway Academy Hanger Co., 1nc., 177 E. 123rd St. Ace Weaving Service, 416 Madison Ave. Aceto Chemical Corp., 40-40 Lawrence St., Flush-

Aceto Chemical Corp., 40-40 Lawrence St., Flushing, L. I. (8)
Asme Batters Supply Co., 104-106 Bleecker St.
Asme Nylon Products, 34 Walker St. (8)
Adhesive Products Co., 166 Boone Ave.
Ald Bew York, Inc., 10-32-47th Rd., Long
Island City
Alfreda Furs, 190 W. 30th St.
Allegheav, Ludlum Steel Corp., Socony Mobil
Bldg., 150 E. 42nd St.
Alis, Louis, Co., 56 Church St., Room 1980
Alstrom Corp., 790 E. 176th St.

Am .can Alcolac Corp., 350 First Ave.
American Aniline Products, Inc., 50 Union Sq. American Brake Shoe Co., Kellogg Div., 230 Park

American Brass Co., American Metal Hose Div., 99 Park Ave.

American District Steam Co., Inc., 270 Park Ave.

American District Steam Co., Inc., 270 Park Ave. American Felt Co., 200 Fifth Ave. American Hair & Felt Co., 295 Fifth Ave. American-La France-Foamite Corp., 32-20 38th Ave., Long Island City

American Laundry Machinery Co., 40 B. 34th St.
American Mineral Spirits Co., 155 E. 44th St. American Numbering Machine Co., Atlantic & Shepherd Aves., Brooklyn

American Pressboard Co., Inc., 114 W. 30th St. American Shirt Co., 1123 Broadway

American Steriliser Co., 76-11 37th Ave., Jackson Heights

American Steriller Co., 149 Broadway
Heights
Ames Iron Works, Inc., 149 Broadway
Anchor Laundry Machinery & Service, Inc., 484
Seneca Ave., Ridgewood, Brooklyn (E)
Anderson-Prichard Oil Corp., 114 E, 18th St.
Andrew Paper Box & Bag Corp., 845 Gates Ave.,
Broakling

Andrew Paper Box & Bag Corp., 845 Gates Ava., Brooklyn
Andrew Parts Mfg. Co., 32-70 3lst St., Long Island City
Angelica Uniform Co., 107 W. 43th St.
Ansonia Steam Products Co., 302 W. 38th St.
Ansui Chemical Co., 60 E. 42nd St.
Anthony Co., 47-33 Fifth St., Long Island City
Apex Chemical Co., Inc., 225 W. 34th St.
Apex Cottons, Inc., 230 Meirose, Brooklyn
Aqua-Jet Machines Corp., 225 W. 34th St.
Aqua-Sec Corp., 1450 Broadway
Appliance Service Co., Inc., 1821 54th St., Brooklyn

lyn Arabol Mfg. Co., 110 E. 42nd St. Armour & Co., Industrial Scap Dept., 120 Broad-

Arns Textile Mfg. Co., 200 Fifth Ave.
Arnold-Hoffman Co., Inc., 256 Fifth Ave.
Arndt Mfg. Co., Inc., 795 Flatbush Ave.,
Brooklyn

Brooklyn Arrow Fastener Co., Inc., 1 Junius St., Brooklyn Asselin, Victor, Fur Co., 412 Eighth Ave. Atlas Powder Co., Chemicals Div., 60 E. 42nd St. Aurora Manufacturing Co., 74 Wyth Ave., Brooke Laundry Supply, 1088 Hancock, Brook-

lyn (S)
Automatic Steam Products Corp., 140 W. 31st St.
Ayearst, McKenna & Harrison, 22 E. 40th St.
Bailey Meter Co., 30 Church St., Room 524
Balkeitte Co., Div., Union Carbide Corp., 30 E.
42nd St.

Barreled Sunlight Paint Co., 420 Lexington Ave.
Barr.tt Div., Allied Chemical & Dye Corp., 40

Ban. 1st Div., Allied Chemical & Dye Corp., 40
Ractor St.
Bauer. Samuel, & Sons. Inc., 143 W. 20th St. (8)
Bascon Supply Co., 1417 Brook Ave., Bronx 56 (8)
Beliow, Oscar, 1693 St. Johns Place, Brooklyn
Belnap & Thompson, Inc., 271 Madison Ave.
Bemis Bro. Bag Co., 26 Court St., Brooklyn
Bemis Bro. Bag Co., Lincoln Bidg., 60 E. 42nd
St., Room 1320
Berger Mfg. Div., Republic Steel Corp., Export
Dept., 405 Lexington Ave., Sales Office 48-18
Northern Bivd., Long Island City
Bermil Sales & Service Co., Inc., 112 E. 116th St.
Bestway Shine Removal Co., Inc., 416 Madison
Ave.

Bestway Stans Ave.

Ave.

Better Packages, Inc., 151 Spring St.

Bigelow Sanford Carpet Co., 136 Madison Ave.

Bij-Kap Products, 701 Elton Ave. (S)

Bishop Barry, Co., 163 E. 125th St.

Blackmer Pump Co., 71 Murray St.

Bleakmer Pump Co., 72 Murray St.

Bleakmer Pump Co., 76 Reade St. (E & S)

Blenco Co., The, 885 Flatbush Ave., Brooklyn Blens Chemicals, 5-28 47th Ave., Long Island City (8) Bloom, Abe, & Sons, Inc., 123 W. 22rd St. (E & S) Bloom, Ben, Cleaners Supplies, Inc., 81 Essex St.

(S)
Bond Foundry & Machinery Co., 30 Church St.
Bonis Bros. Fur Machinery Corp., 312 Seventh

Bonis Bros. Pur Ave.

Bostitch-Eastern, Inc., 40-11 24th St., Long Island City
Boston Gear Works, Inc., 151 Lafayette St.

Bowser, Inc., 429 Lexington Ave.

Boyertown Body & Equipment Co., 1841 Broad-

way Braun Brush Co., 8833 78th St., Woodhaven Braun, G. A., Inc., 451 Seneca Ave., Brooklyn Brillo Mfg. Co., Inc., 60 John St., Brooklyn Bristol Co., 250 W. 57th St.
Bronz Preesing Machine Co., Inc., 3623 Third Ave. (E)
Brown, Dayton T., Inc., 1305 Strong Rd., Co-

Butler Mig. Co., 103 Park Ave., Am. Long Island City (E & S)

C C Chemical Corp., 38-30 Review Ave., Long Island City (E & S)

Cade Paper & Bag Corp., 58 Sedgwick St., Brook-long

Caldwell Chemical Co., Inc., 441 Lexington Ave. (E & 8)
Caldwell, W. E., Co., 475 Fifth Ave.
Calgon Co., Div., Hagan Chemicals & Controls, Inc., 271 Madison Ave.
Callaway Mills, Inc., 295 Pifth Ave.
Canvas Specialty Co., 512 Fifth Ave.

Capital Poster Service, 307 Canal St.
Cappel, MacDonald & Co., 30 E. 60th St.
Carey, Philip, Mfg. Co., 60 E. 43nd St.
Cartico Chemical Co., Ins., 33 Commerce St.
Cartiyle Rubber Co., Inc., 64 Park Pl.
Carrier Corp., 385 Madison Ave.
Carry-Pack Co., Ltd., 225 W. 34th St.
Catepillar Tractor Co., 350 Fifth Ave.
Cettified Chemical & Equipment Co., 415 Lexington Ave.
(E & S)
Chadler Sales & Service Co., 245 Seventh Ave.
(E & S)
Chatillon, John, & Sons, 89 Cliff St.

(E & S)
(Chatillon, John, & Sons, 89 Cliff St.
Chematrand Corp., The, 359 Fifth Ave., New
York, N., Chematrand Corp., The, 359 Fifth Ave., New
York, N., Chaison Ave.
Chain Charlette Div., Columbus McKinson
Chain Corp., 1716 Grand Central Terminal
Chloral Chemical Corp., 171 Lombardy St.,
Brooklyn (E & S)

Washroom Chemicals -Soaps — Detergents

EVergreen 8-2056

Chloral Chemical Corporation 171 Lembardy St., Brooklyn 22, N. Y.

Ciba Co., Inc., 627 Greenwich St.
Clarage Fan Co., 560 Fifth Ave.
Cleaners Sales & Equipment Corp., 25 Division Pl., Brooklyn (E & S)
Clinton Corn Processing Co., 625 Madison Ave. Pl., Brooklyn (E & S) Cinton Corn Processing Co., 625 Madison Ave. Clopsy Corp., 270 Park Ave. Co-Apoc Cleaners Equipment Corp., 53-09 Van Dam St. (E & S) Cole Leather Cleaners of America, 1287 Second

Ave.
Colgate-Palmolive Co., 300 Park Ave.
Colonial Envelope Co., Inc., 24 E. 22nd St.
Columbia Appliance Corp., 8-16 37rd Ave., Long
Island City
Columbia Boiler Co. of Pottstown, 95 Madisoa umbia Sewing Machine Corp., 129-131 W. 22nd

Columbia-Southern Chemical Corp., 579 Fifth Ave. abustion Engineering Co., Inc., 200 Madison Co

Ave.
Combustion Engineering Co., Inc., 200 Madison Ave.
Comet Envelope & Paper Co., Inc., 5 E. 17th St.
Commercial Filters Corp., 117 Liberty St., 17th St.
Commercial Investment Trust, Inc., 1 Park Ave.
Cone Mills, Inc., 39 North St.
Consolidated Products Co., Inc., 15 Park Row (E)
Consolidated Products Co., Inc., 15 Park Row (E)
Con-Secu-Tag, Inc., 27 Hooper St., Brocklyn
Cottinental Car-Na-Var Corp., 210 E. 34th St.
Cooper-Bessener Corp., 25 W. 42rd St.
Crewett Belt Fastener Co., 480 Lexington Ave.
Crewdson Co., 203 E. 43rd St.
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Crewdson Steel Co. of America, 652 E. 12th St.
Cunmings-Landau Laundry Machinery
Co., Inc., 305-17 Ten Eyck St., Brooklyn
Curtis Mig. Co., 30 Vessey St.
Cutler-Hammer, Inc., 8 W. 46th St.
Cyclotherm Div., National-U. S. Radiator Corp.,
60 Hudson St.
D'Angelo, Louis, 1017 66th St., Brooklyn (E)
D'Angelo, Car, Inc., 75 West St.
Daroe Dept. (Atlas Powder Co.), 60 East 42nd St.
Darnell Gorp., Ltd., 60 Walker St.
Davies, R. V., Corp., 74 Pennsylvania Ave. (E
& 8)
Dean Hill Pump Co., 55 W. 42nd St.

As N. V., Corp., 1s Pennsylvania Ave. (E & S)

Dean Hill Pump Co., 25 W. 42nd St.

DeBotherat Fans Div., American Machine &
Metals, Inc., Woolworth Bldg.
Dejur Electric Works, 124 Bleecker St.
Deming Co., 420 Lexington Ave.
Dennian Mfg. Co., 220 Fifth Ave.
Denominator Co., 261 Broadway
Detecto Scales, Inc., 1 Main St., Brocklyn
Detecx Watchelock Corp., 75 Varick St.
Devoc & Raymolds Co., Inc., 44th St. & First Ave.
Diamond Alkali Co., 99 Park Ave.
Diamond Bag Co., 174 Scholes St., Brooklyn (S)
Diamond Clemical Co., Inc., 47-25 Vernon Blvd.
L.I.C.
Diaphane Corp., 342 Madison Ave. (E & S)

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Dicalite Dept., Great Lakes Carbon Corp., 18 E.
Diehl Mfg. Co., Div. Singer Mfg. Co., 35 Liberty

8t.
Dow Chemical Co., 45 Rockefeller Plans
Dravo Corp., 30 Church St.
Dresser Mig. Div., Dresser Industries, Inc., 122
E. 42ad St.
Drew, E. F., & Co., Inc., 15 E. 28th St.
Drew, E. F., & Co., 28 Fourth Ave.
Duham-Bush, Inc., 25 E. 43rd St.
Duham-Bush, Inc., 25 E. 43rd St.
DuPont de Nemours, E. I., & Co., Inc., 350 Fifth
Ave.

Ave.
Duro Envelope Co., 24 E. 22nd St.
Bastern Gyclone Conveyor System, Inc.
40 E, 24th St.
Economy Mercantile Corp., 122 E. 42nd St. (8)
Edwards, Vincent, & Co., 342 Madison Ave.
E. L. Supply Co., 123-04 Metropolitan Ave., Kew
Gardens (S)

Electric Auto-Lite Co., Instrument & Gauge Div., 49th Floor, Chrysler Bldg. Electric Storage Battery Co., 22-31 W. 43rd St. Electro Lifs, Inc., 39 Church St. Elgin Softener Corp., 87 159th St., Jamaica, N. Y. Elliott Co., 225 Broadway Hilis Drier Co., 420 Lexington Ave. Emery Industries, Inc., Sanitone Div., 233 Broadway Emers Supply Corp., 344 W. 24th St. (8)
Emgineering Co., 75 West St.
Equitable Paper Bag Co., Inc., 45-50 Van Dam
St., Long Island City
Eureka Button Co., 892 Broadway
Everett Sales and Equipment Corp., 251 Third Avs.

Vafini Bearing Co., 6 W. 60th St.

Fairbanks Co., 393 Lafayette St.

Fair Play Supply Co., 150 Nassau St. (S)

Flezonics Corp., 7 Dey St.

Flintkote Co., 30 Rockefeller Plaza.

Flow-Master Machine Corp., 634 Dean St., Brooklyn Tank Maintenance Co., Inc., 717 E. 136th St. Force Corp., 29 Carey Rd., Great Neck, L. L., N. Y. Foxboro Co., 420 Lexington Ave. Franklin Paper & Twine Corp., 70-72 Leight St. (8) Freund, Freund & Co., Inc., 102 Franklin St. Frayberg Bros.-Strauss, Inc., 419 Fourth Ave. Fumol Corp., 49-65 Van Dam St., Long Island FrayDerg Bros.-Strauss, Be., 419 Fourth Ave.
Franci Corp., 49-48 Van Dam St., Long Island
City
Fur Feel Corp., 238 Eagle St., Brooklyn
Fur Feel Corp., 312 Seventh Ave.
Gardner-Denver Co., 76 Ninth Ave.
Geller, I., & Son. 990 Myrtle Ave. (£ & S)
Gem Chemical Products Corp., 45-55 - 39th Pl.,
Long Island City (£ & S)
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Sales Div., 444 Madison Ave.
General Chemical Div., Allied Chemical & Dye
Corp., 40 Rector St.
General Clarifier Corp., 163 Park Ave.
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General Clarifier Corp., 41 E. 43rd St., Brooklyn,
New York
General Chemical Div., Allied Chemical & General Chemical Corp., 22 Worth St., Room 108
General Divistiff Corp., 435 Hudson St.
General Trimming Co., 84-85 - 57th Ave., Elmhunt (£ & S)
Gibraltar Pabrics, Inc., 254 38th St.,
Brooklyn
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Brooklyn Brooklyn Gibraltar Products Co., 945 Atlantic Ave., Brook-lyn Glamorene, Inc., 19 E. 44th St. Gold, M., Co., 200 E. 19th St. (E & S) Goldman Pressing Machine Corp., 407 Keap St., Brooklyn Goldman Pressing Machine Corp., 400 W. Broad-Golden-Anderson Valve Specialty Co., 138 Liberty Gold Par Products Co., Inc., 435 West St. (8) Goldman Supply Co., 166 Spring St. (8) Gormel Chemical Co., Inc., 14 Beaver, Brooklyn (S)
Gould Pumps, Inc., 11 Park Pi.
Graham Laundry Machinery Co., Inc., 218 Clifton
Pl., Brooklyn (E)
Graton & Knight Co., 128 Lafayette St.
Great Eastern Paper Converters, Inc., 38-60 Review Ave., Long Island City
Green, A. P., Fire Briek Co., 50 Church St.
Gulf Oil Corp., Gulf Refining Co., 17 Battery Pi.
Gummed Tape & Devices Co., 1069 Rogers Ave.,
Brooklyn Brooklyn

L & R. Equipment Co., 759 Sixth Ava.

Hammel-Dahl Co., 12 E. 41st St.

Handiform Plasties Corp., 389 Fifth Ave.

Handy Button Machine Co., 313 W. 37th St.

Haskeite Mfg. Corp., 901-A Chrysler Bidg., 405

Lexington Ave.

Hatters Supply House, 661 Broadway (E & S)

Harminway & Bartlett Mfg. Co., 500 Fifth Ave.

Henric Laundry Machinery Co., 2795 Shore Park
way, Brooklyn Henric Laundry Machinery Co., 2795 Shore Park-way, Brooklyn
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Hope Chemical Corp., 89-91 Barclay St.
Hope Webbing Co., 381 Fourth Ave.
Horn, A. C., Co., Inc., 10th St. & 44th Ave., Long
Island City
Howe Scale Co., 41-11 29th St., Long Island City
Hugher Co., 10 E. 39th St.
Mungerford & Terry, Inc., 342 Madison
Ave.

Mungerford & Tetry, and, some Ave.

Muron Milling Div., Hercules Powder, Co., 230 Madison Ave.
Hygnade Button & Supply Co., 19 W. 34th St. (8)
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Ilg Electric Ventilating Co., 15 Park Row
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K. and M. Supply Co., Inc., 794 Union St.,

Brooklyn (S)

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Central Parkway, Forest Hills (E)

Kee Zipper Corp., 541 W. 34th St.

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Brooklyn
Lieberman. B. & G., Co., Inc., 27 Hooper St.,
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Jackson Heights (S)
Lines Suppliers Advertising Corp., 175 Fifth Ava.
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Linn Coach & Truck Div., Great American Industries, Inc., 230 Park Ave.
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Inc., 236 Scholes St., Brooklyn
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McAvoy Sales & Service, Inc., 451 Sensea St.,
Ridgewood, Brooklyn (E)
McRee Co., 235 Madison Ave.
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Mark-Corp., 17 W. 60th St.
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Co., 168-22 Queens Blyd., Forest Hills
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Ave.

Modern Laundry Machinery Co., 1883 Straus,
Brooklyn (E)
Mohawk Rubber Co., 1819 Broadway
Mount Vernon Mills, Inc., 40 Worth St.
Mutta', D. J., Mfg. Co., 40 Church St.
Mutta', Paper Box Co., Inc., 516 W. 27th St.
Mutual Sales Co., 182 W. 42nd St. (S)
Nashua Corp., 53 Park Place
Nashua Textile Co., Empire State Bldg.

(Continued on next page)

BOLD TYPE LISTINGS

New York City (Continued)

National Aniline Div., Allied Chemical & Dye Corp., 49 Rector St. National Combustion Co., 101-06 48rd Ave.,

National Hatters Supply Co., Inc., 10 Washington

National Hatters Supply Co., Inc., 19 Washington Place (E & S)
Wastional Marking Machine Co., Em., 3802
10 E. 40th St.
National Paper & Type Co., 120 Wall St. (E)
National Starch Products, Inc., 270 Madison Ave.
Necchi Sewing Machine Sales Corp., 184 W. 25th

Necchi String and Machinery Corp., 43-25 - 52nd, Woodside (E & S)
New York Globe Ticket Co., 154 W. 14th St.
New York High Grade Button Works, 3569 Broad-

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St. St. Cdor Instruments, Inc., 220 E. 42nd St. Odor Instruments, Inc., 220 E. 42nd St. Ohio Injector Co., 5940 Grand Central Terminal Olin Cellophane Div., Ecusto Paper Corp., 655

Olin Cellophane Div., Ecusto Paper Corp., 655
Madison Ave.
Olin Mathieson Chemical Corp., Industrial
Chemicals Div., 745 Fifth Ave.
OsenMark Corp., 124 White St.
Osen, J. B. E., Corp., 1740 Broadway
Orr & Sembower, Inc., 51 E. 4fad St.
Owens-Corning Fiberglas Corp., 16 E. 56th St.
P & G Supply Co., Inc., 1455 Boston Rd.
Passche Airbrush Co., 163 Lafayette St.
Pacific Coast Borax Co., 109 Park Ave.
Paisley Products, Inc., 630 W. 51st St.
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Ave., Forest Hills
Piolet Button & Novelty Corp., 2337 Amsterdam
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Piss Sewing Machine Sales Co., \$25 Greenwich St.

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Posnegen (Laternational Laundry Equipment Co.), 200

Portmar Water Heater Co., Inc., 193 Sev-Portmar Water Heater Co., ISC., 193 Seventh St., Brooklyn
Powers Regulator Co., 231 E. 46th St.
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Procter & Gamble Distributing Co., 155
E. 44th St.
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Frocter & Gamble Distributing Co., 11325- Queens Blvd., Forest Hills
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Output Compression Co., 20 Charles St. Dec. 107 Guigley Co., Inc., 527 Fifth Ave.
Quincy Compressor Co., 30 Church St., Rm. 807
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Ramesey Chain Co., Inc., 50 Church St.
Rancelles, John, Inc., 210 Water St.
Randing-Pratt & Cady Div., American Chain &
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Revolite Div., Raybestos-Manhattan, Inc.,

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Revolite Div., Raybestos-Manhattan, Inc.,

635 E. 36th St., Brooklyn Ave.

Revolite Div., Raybestos-Manhattan, Inc., 312 Houston Ave., Mineola, L. I. Rich, Sidney, Corp., 37 W. 39th St. Roberts Numbering Machine Co., 705 Jamaica

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Roberts Numbering Machine Co., 708 Jamaica
Ave., Brooklyn
Roboc Corp., 235 W. Main St., Patchogue
Roots-Connersville Blower Corp., 122 E. 43nd St.
Ross Heat Exchanger Div., 40 W. 40th St.
Ross Heat Exchanger Div., 40 W. 40th St.
Royal Laundry Products, 105-02 Merrick Blvd.,
Jamaica (8)
Luberoid Co., 500 Fifth Ave.
Rubinoff, M., Inc., 184-136 W. 27th St.
Safety-Notch Tag Co., Inc., 418 Ditmas Ave.,
Brooklyn
Salomon, L. A., & Bro., 216 Pearl St.
Sarco Co., Inc., 635 Madison Ave.
Sarco Co., Inc., 40-23 24th St., Long Island City
Schramm, Inc., 90 West St.
Schreiber & Goldberg, 105 E. 16th St. (E & S)
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(S):

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Shirt Valet Rental Plan, Inc., 358 Fifth Ave.
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Causeway, Flushing
Crauseway, Flushing Corp., 31-70 College Point
Causeway, Flushing Corp., 31-70 Smith St., Brooklyn
Singer Sewing Machine Co., 140 Broadway
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281 Madison Ave. & 61 Broadway
Southern Advance Bag Operation, Continental Can
Co., 520 Fifth Ave.
Southern Mills, Inc., 233 Broadway
Spear Box Co., Inc., 270 lith Ave.
Speiman, Morris, Co., 250 Fifth Ave. (E)
Speiman, Morris, Co., 250 Fifth Ave. (E)
Speimer Turbine Co., 101 Park Ave. (E)
Speimer, S., 595 E., 94th St., Broakin, (E)
Square Supply Co., 22 Union Sq., E. (E & S)
Staley, A. E., Mig. Co., 485 Lexington Ave.
Standard Financial Corp., 270 Madison Ave.
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Stanley, William W., Co., Inc., 643 W., 20th St.
Stanley, William W., Co., Inc., 643 W., 20th St.
Stenmarter Automatic Boiler Co., 37 Wall St.
Stephens-Adamson Mig. Co., 30 Church St.
Sterwin Chemicals, Inc., 1458 Broadway
Staven, Michael Corp., 525 W. 52nd St.,
Brooklyn

Brooklyn Stromberg Time Corp., 100 Lafayette St. Strong, Carlisle & Hammond Div., 405 Lexington Ave. Suedecare, Inc., 50 Station Plaza, Hempstead Sundheimer, Henry Co., 103 Park Ave. (8) Superior Combustion Industries, Inc., 1457 Bread-

Sweds Cash Register, Inc., 99 Park Ave, Swingline, Inc., 32-00 Skillman Ave., L. I. C. 1, N. Y. N. Y. Sylvania Div., American Viscose Corp., 122 E. 42nd St.

42nd St.

Sylvania Electric Products, Inc., 500 Fifth Ava.

Taco Heaters, Inc., 342 Madison Ave.

Taubman, Samuel, & Co., 176 Madison Ave.

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Taix Engineering Corp., 225 Lafayette St.

Tessa Co., 125 E. 42nd St.

Thermopath Corp., 2432 Grand Concourse

Thomaston Mills, 49 Worth St.

Thompson, J. Parker, Co., Inc., 507 Fifth Ava.

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Corp., Textile Div., 100 E. 42nd St.
Unit Maintenance, 7 Crosby Ave., Brooklyn
Unit Synthetic Service Corp., 772 Liberty Ave.,
Brooklyn (E & S)
United Garment Hanger Co., 301 W. 37th St.
United Print Shop. 28 Seventh Ave.
U. S. Blind Stitch Machine Co., 231 W. 29th N.
U. S. Gauge Div., American Machine & Metals,
Inc., 23 Broadway
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Utility Truck Corp., 603 W. 23rd St.
Vapor Hesting Corp., 230 Park Ave.
Vapor Jet Steam Products, Inc., 348 W. 42nd St.
Veeder-Root, Inc., 1775 Broadway
Vic Manufacturing Co., 24 W. Third St.
Victor Balats & Textile Belting Co., 33 Park Pl.
Victor Chemical Works, 220 E. 42nd St.
Viking Pump Co., of N. Y., 634 W. 44th St.
Wallerstein Co., Inc., 180 Madison Ave.
Walser Automatic Timer Corp., 420 Lexington
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Ave.
Walworth Co., 60 E. 42nd St.
Walworth International Co., 60 E. 42nd St.
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Weston Electrical Instrument Corp., 50 Church St. West Side Corp., 177 E. 123rd St. (E & S)



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Williams Laundry Machinery Co., Inc., 37-379th St., Long Island City (E)
Wolf Machine Co., 234 Fifth Ave.
Wood Conversion Co., 135 E. 44th St.
Wood, George, Sons & Co., 166 Franklin St.
Worthington Corp., 2 Park Ave.
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Div., 1475 Broadway
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Zee Maintenance, 266 Tapscott St., Brooklyn (E)
Zellernayer. Nathan, & Co., 2166 Washington
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Zeoll, Sam, Inc., 705 Second Ave.
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Lane, W. T., & Bros., Inc., Prospect St.

PUT ASKI

Fulton Boiler Works, Inc., Port & Jefferson St.

PUTNAM COUNTY

Allied Steam Corp., Route 6, Baldwin Pl. (E)

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Carrier Corp., 250 Reynous.

(E)
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International Nickel Co., Inc., Genessee Valley
Trust Bidg.
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(E & S)

(E & 8)
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Paisley Products, Inc., \$63 Monroe Ave.
Permutit Co., Inc., 119 Main St., E.
Plant Equipment Corp., 74 Castlebar Rd. (E)
Prosperity Co., Div., Ward Industries
Corp., 613 Terminal Bldg., 65 Broad St.
Becordak Corp., 342 State St.
Rechester Carman Supply Corp., 95 Frankfort St.,
(E & 8)

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Scobell Chemical Co., Rockwood Pl. (S)
Seneca Dyers, Inc., 1227 Maple St.
Statewide Machinery, Inc., 22 Litchfield St. (E)
Tad Chemical Co., Div. Acme Industrial Compounds Corp., 623 S. Goodman
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State, Inc., State Tower Bidg. (E)
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Lamson Corp., 205 Lamson St.
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(Continued on next page)

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48 x 126" AMERICAN MAMMOTH CASCADE WASHERS WITH NEW ELECTRICAL EQUIPMENT AND NEW 3-, 6-, or 9-COMPARTMENT STAINLESS-STEEL CYLINDERS. CUMMINGS-LANDAU Laundry Machinery Co., 313 Ten Eyck Street, Brooklyn 6, N. Y. 9368-4

MACHINERY FOR SALE (Cont'd)

15 FOUND AMERICAN AND HOFFMAN MONEL METAL OPEN END WASHERS, MOTOR DRIVEN, 34" x 36" HUEBSCH AND AMERICAN OPEN END TUMBLERS. GAS AND STEAM HEATED. CUMMINGS-LAN-DAU Laundry Machinery Co., 305 Ten Eyck St., Brooklyn 6, N. Y.

40" AMERICAN OPEN TOP EXTRACTORS WITH AUTOMATIC BRAKE RELEASE. 40" HOFFMAN EXTRACTOR WITH EXPLOSION PROOF MO-TOR. CUMMINGS-LANDAU Laundry Machinery Co., 305 Ten Eyek St., Brooklyn 6, N. Y.

MONEL METAL WASHERS, AMERICAN CASCADE, 1 COMPARTMENT, 1 DOOR, MOTOR-DRIVEN, 30 x 48", 30 x 38", 24 x 36", 24 x 44", REBUILT LIKE NEW. CUMMINGS-LANDAU Laundry Machinery Co., 305 Ten Eyok St., Brooklyn 6, N. Y.

68" AMERICAN ZEPHYR, HOFFMAN AMICO AND TOLHURST CENTER SLUNG OPEN TOF EXTRACTORS WITH COFFER AND STAINLESS STEEL BASKETS. CUMMINGS-LANDAU Laundry Machinery Co., 395 Ten Eyck St., Brooklyn 6, N. Y. 600-4

AMERICAN TILTOR 4-GIRL SHIRT UNIT. THOROUGHLY REBUILT IN NEW MACHINE CONDITION. READY FOR IMMEDIATE DELIVERY. CUMMINGS-LANDAU Laundry Machinery Co., 313 Ten Eyck Street, Brooklyn 6, N. Y. 9014-4

48" VIERSEN HIGH-SPEED and 48" TOLHURST, DIRECT MOTOR-DRIVEN EXTRACTORS. Ready for immediate delivery. CUMMINGS-LANDAU LAUNDRY MACHINERY CO., 313 Ten Eyck Street, Brooklyn 6, N. Y.

24 x 129" RETURN-FEED SUPER IRONER, MOTOR-DRIVEN. PRICED RIGHT. CUMMINGS-LANDAU Laundry Machinery Co., 313 Ten Eyok St., Brooklyn 6, N. Y. 9725-4

AMERICAN and TROY 26" and 28" EXTRACTORS, BELT or MOTOR DRIVEN WITH NEW ELECTRICAL EQUIPMENT. READY FOR PROMPT DELIVERY. CUMMINGS-LANDAU Laundry Machinery Co., 313 Ten Eyck Street, Brooklyn 6, N. Y.

HUEBSCH 25" COMBINATION HANDHERCHIEF AND NAPKIN IRONERS COMPLETE WITH FLUFFER AND TABLE, 4 CISSELL MASTER HOSIERY DRYERS, LIKE NEW. CUMMINGS-LANDAU Laundry Machinery Co., 305 Ten Eyck Street, Brooklyn 6, N. Y. 9483-4

PROSPERITY POWER CIRCLE AND UNIPRESS LATEST TYPE 4-GIRL SHIRT UNIT FOR COMPLETE MACHINE FINISHED SHIRTS. CUMMINGS-LANDAU Laundry Machinery Co., 305 Ten Eyck Street, Brooklyn 6, N. Y. 9952-4.

MODEL 75, AMERICAN VACUUM STILL, COMPLETE WITH MOTOR-DRIVEN PUMP. 6—NATIONAL HAND AND POWER MARKING MA-CHINES. CUMMINGS-LANDAU Laundry Machinery Co., 305 Ten Eyek St., Brooklyn 6, N. Y. 984-6

AMERICAN 120", 12-ROLL IRONER, THOROUGHLY REBUILT, IN NEW MACHINE CONDITION. READY FOR IMMEDIATE DELIVERY. CUM-MINGS-LANDAU Laundry Machinery Co., 305 Ten Eyck St., Brooklyn 6, N. Y. 647-4

48" HOFFMAN AMICO, FLETCHER WHIRLWIND and AMERICAN OPEN-TOF MOTOR-DRIVEN EXTRACTORS. READY FOR PROMPT DELIVERY. CUMMINGS-LANDAU Laundry Machinery Co., 313 Ten Eyek Street, Brooklyn 6, N. Y. 6983-4

16x100" AMERICAN 41210 RETURN FEED FLATWORK IRONERS, MOTOR DRIVEN. PROSPERITY SUPER SPEEDSTER AND AMERICAN SUPER ZARMO 51" BODY PRESSES. VERY REASONABLY PRICED. CUMMINGS-LANDAU Laundry Machinery Co., 313 Ten Eyck Street, Brooklyn 6, N. Y. 6914-4

Five 42 x 84" AMERICAN MASTER CASCADE DOUBLE END-DRIVEN MONEL WASHERS with 2-compartment, 2-door cylinders. IN EXCELLENT CONDITION. SOME EQUIPPED WITH NEW MOTORS and CONTROLS. CUMMINGS-LANDAU Laundry Machinery Co., 313 Ten Eyck Street, Brooklyn 6, N. Y. 6910-4

HIGH-SPEED EXTRACTORS, AMERICAN 17" MONEX 15" and 17" BOCK 20" HOFFMAN WITH MONEL BASKET. CUMMINGS-LANDAU Laundry Machinery Co., S13 Ten Eyck Street, Brooklyn 6, N. Y. 5854-4

MACHINERY FOR SALE (Cont'd)

38" EXTRA DEEP AMERICAN or TROY EXTRACTORS, with NEW electrical equipment. EVANS AUTOMATIC SHIRT STARCHING MACHINE. CUMMINGS-LANDAU LAUNDRY MACHINERY CO., 313 Ten Eyek Street, Brooklyn 6, N. Y. 4753-4

40" TROY and TOLHURST, direct motor-driven and belt-driven extractors. CUMMINGS-LANDAU LAUNDRY MACHINERY CO., 313 Ten Eyek Street, Brooklyn 6, N. Y. 4755-4

8-ROLL 100", 110" and 120" AMERICAN AND CL RETURN-FEED IRON-ERS. MECHANICALLY EQUAL TO NEW. CUMMINGS-LANDAU Laundry Machinery Co., 305 Ten Eyck St., Brooklyn 6, N. Y. 733-4

PROSPERITY POWER CIRCLE 2 GIRL SHIRT UNIT CONSISTING OF THE FOLLOWING PRESSES.—COLLAR AND CUFF, BOSOM, YOKE AND TWO LAY SLEEVE PRESS. CUMMINGS-LANDAU Laundry Machinery Co., 305 Ten Eyek St., Brooklyn 6, N. Y. 9484-4

PROSPERITY LATEST TYPE SPORT SHIRT UNIT, complete with TUMBLER AND DRYSET VACUUM UNIT. Used less than one year. Equal to new in every respect. Cummings-Landau Laundry Machinery Co., 305 Ten Eyck St., Brooklyn 6, N. Y. 1537-4

American and Hoffman 140F drycleaning units, complete in every respect. New-machine condition, at considerable saving over new-equipment price. Cummings-Landau Laundry Machinery Co., 303 Ten Eyck Street, Brooklyn 6, N. Y.

3

ASHER ironers 48 x 120, 32 x 120. Rebuilt, big stock, terms. Baehr Laundry Machine Company, 29 Calumet Street, Newark 5, N. J. 2240-4

AMERICAN IRONER, 2-roll 100", rebuilt in A-1 condition. TALLEY LAUNDRY MACHINERY COMPANY, Greensboro, N. C. 1884-4

Eight-roll 120" TROY IRONER, streamline rebuilt, TALLEY LAUNDRY MACHINERY COMPANY, Greensboro, N. C. 1805-4

Five TROY 48" open-top extractors at a bargain price, TALLEY LAUN-DRY MACHINERY COMPANY, Greensboro, N. C. 1806-4

PROSPERITY and AJAX air-driven utility presses. TALLEY LAUNDRY MACHINERY COMPANY, Greensboro, N. C. 1808-4

42 x 64 AMERICAN 2-pocket, 2-door stainless-steel washers-rebuilt.

TALLEY LAUNDRY MACHINERY COMPANY, Greensboro, N. C. 1809-4

Six-roll 120" AMERICAN, PARAMOUNT, SMITH-DRUM rebuilt ironers.
TALLEY LAUNDRY MACHINERY COMPANY, Greensboro, N. C. 1810-4

42 x 84 and 42 x 96 AMERICAN and HOFFMAN rebuilt washers—in excellent shape. TALLEY LAUNDRY MACHINERY COMPANY, Greensboro, N. C. 1811-4

AMERICAN MASTER CASCADE, DOUBLE-END-DRIVEN, CONVERTED TO SILENT CHAIN DRIVE AND "V" BELT DRIVE AT MOTOR, 44 x 96", 44 x 100", 44 x 100" MONEL METAL WASHERS with 3 and 4 pockets. CUMMINGS-LANDAU, 313 Ten Eyck St., Brooklyn 6, N. Y. 1786-4

AMERICAN STREAMLINED 6-ROLL IRONER, WITH HAMILTON SPRING PADDED ROLLS AND VACUUM DEVICE. IN NEW-MACHINE CONDITION. CUMMINGS-LANDAU, 313 Ten Eyck St., Brooklyn 6, N. Y. 1729-4

PROSPERITY 51" wearing apparel presses. Power Circle, rebuilt. TAL-LEY LAUNDRY MACHINERY COMPANY, Greensboro, N. C. 1803-4

AMERICAN, TROY AND SMITH-DRUM MONEL METAL WASHERS.
MOTOR-DRIVEN, 42 x 96" 2-POCKET and 3-POCKET, 42 x 92" 2POCKET. CUMMINGS-LANDAU, 313 Ten Eyck St., Brooklyn 6, N. Y.
1750-4

PURKETT 72" HEATED CONDITIONING TUMBLER, COMPLETE WITH CONVEYOR. IN EXCELLENT OPERATING CONDITION. CUMMINGS-LANDAU, 313 Ten Eyck St., Brooklyn 6, N. Y. 1731-4

6—AMERICAN SUPER-ZARMO DUCK COAT PRESSES, 4 AMERICAN FOLDMASTERS, EITHER FOR 7" or 8" FOLD. CUMMINGS-LANDAU, 313 Ten Eyck St., Brooklyn 6, N. Y. 1733-4

UNIPRESS CABINET SHIRT UNIT, CONSISTING OF: CABINET BOSOM, CABINET SLEEVER, SPECIAL YORE PRESS AND AUTOMATIC FOLDING TABLE. EQUAL TO NEW IN EVERY RESPECT. CUMMINGS-LANDAU LAUNDRY MACHINERY CO., 305 TEN EYCK ST., Brooklyn 6, N. Y. 1719-4.

36 x 30 HUEBSCH GAS-FIRED TUMBLERS, like new. Talley Laundry Machinery Co., Greensboro, N. C. 1879-4

HOFFMAN X MODEL PRESSES, factory rebuilt. Talley Laundry Machinery Co., Greensboro, N. C. 1280-4

COMPLETE STOCK OF REBUILT GUARANTEED LAUNDRY AND DRY-CLEANING MACHINERY. Talley Laundry Machinery Co., Greensbore, N. C. 1281-6

40" and 48" AMERICAN all stainless-steel open-top extractors—perfect shape. TALLEY LAUNDRY MACHINERY COMPANY, Greensboro, N. C. 1802-4

IMPERIAL CLEANING MACHINERY COMPANY, 121 Greenpoint Ave., Brooklyn, N. Y. EV - 9-6585, has available American Notrux extractor; American & and 6-roll ironer; American Cascade 42 x 84; also 9-pocket stainless washer, Hoffman drycleaning and laundry washers, Pellerin-Milnor automatic washers; Hoffman and American 30, 48, and 60" extractors for laundries and cleaners; Hoffman 140F and synthetic cleaning unit. Also Prosperity, Mercury, Manitowoc, Columbia, Butler, Sec-O-Matic synthetic units with Hoyt solvent saver; Prosperity 2-girl shirt unit, Bendix washers, Bock extractors, Fuebsch tumblers for launderettes. 1752-4

IMPERIAL CLEANING MACHINERY COMPANY, 121 Greenpoint Ave., Brooklyn, N. Y. EV-9-6585, has Sec-O-Matic synthetic unit with solvent saver—Mercury—140F unit—60 lb. automatic unit—10 lb. Columbia unit. 1793-4

IMPERIAL CLEANING MACHINERY COMPANY, 121 Greenpoint Ave., Brooklyn, N. Y. EV-9-6585, hes available laundry and drycleaning equipment from several modern plants. Prices reasonable, with ferms. Request availability list without obligation.

IMPERIAL CLEANING MACHINERY COMPANY, 121 Greenpoint Ave., Brooklyn, N. Y. EV-9-6585, has large stock of new and rebuilt equipment, reasonable prices and terms, one-year guarantee. Individual machines or complete plants for laundry, synthetic or petroleum, also launderette. List the machines you have for sale with us. 1795-4

5 Huebsch or American Zone-Air open-end tumblers. AC 220 volt, 3 phase, 60 cycle, practically new. Available, immediate sale. Special price \$225 each. ADDRESS, Box 792, STARCHROOM LAUNDRY JOURNAL. -4

For Sale: Four (4) used American Airway dryers size No. 10, 2 compartment, 220 volt, 3 phase, 60 cycle motors. Excellent condition. Good buy. W. T. Rife & Company, 740 Sixth St. West, Huntington, West Va. 1880-4

Two-AMERICAN PERRY 54" UNLOADING EXTRACTORS WITH FIVE SETS OF CONTAINERS. IN FIRST-CLASS OPERATING CONDITION. CUMMINGS-LANDAU Laundry Machinery Co., 305 Ten Eyek Street, Brooklyn 6, N. Y. 1887-4

TWO 48 x 84 HOFFMAN TWO-END DRIVE MONEL METAL WASHERS LIKE NEW, \$1,500 EACH. ONE 48" HOFFMAN EXTRACTOR WITH TIMER, LIKE NEW \$1,500. 40" HOFFMAN EXTRACTOR, EXCELLENT 5770. 30" HOFFMAN EXTRACTOR REBUILT \$690. 42 x 84 AMERICAN WASHER, JUST OVERHAULED, MONEL, 5750. ALL 200-60-5. . . F. L. SCHADT, 111 HELEN STREET, SYRACUSE 5, N. Y. 1889-4

1953 UNIPRESS CABINET SLEEVER. Very good condition. New Monello and Flamonel pads. \$850. Parisian Cleaners, 127 West Flagler Street, Miami 36, Florida.

11 x 80" gas flatwork ironer; 16 x 50" steam flatwork ironer: 36 x 54" wood washer—2 HP. Connersville rug vacuum. 100 pounds per hour Auburn stoker. Napoleon Steam Laundry, Napoleon, Ohio. 1899-4

ONE—AMERICAN FULLY AUTOMATIC WASHWHEEL FORMULA CONTROL MODEL 858M. CUMMINGS-LANDAU Laundry Machinery Co., 305
Ten Eyck Street, Brooklyn 6, N. Y. 1900-4

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In The Wash ...

Scouting the Solicitors

To the Editor:

A few months ago your magazine published an article regarding a laundry that employed two men and a woman to do house-to-house soliciting, exclusive of their regular driver-salesmen. It also mentioned the percentage of customers retained after the first contact and their wage scale for this service.

Somehow I have mislaid this copy of your magazine and now find that I would be interested in this type of selling for my company.

Would you be able to send me a copy of this article?

ELIODORE GRECOIRE
Treasurer, Hathaway's Laundry, Inc.
New Bedford, Mass.

The article appeared in March '58 STARCHROOM under the title "Every Knock Is a Boost."—Editor

Dutch Treat

To the Editor:

This is a laundry research institute sponsored by four laundryowners' associations in the Netherlands,

Could you give us permission to translate the article "What a Difference New Equipment Makes" in STARCHROOM LAUNDRY JOURNAL, July '58, Vol. 65, No. 7, pages 14-16?

We should like to publish the translation in our part of the monthly paper of the "Federation of the Laundry Industry" in the Netherlands De Wasindustrie.

Wasserij-Instituut T.N.O. Delft, Netherlands

Toestemming akkord, Dank U.

Formica Fan Pleased

To the Editor:

In reading the August number of the Starchroom Laundry Journal, I was reminded of a recent repair or refinish job on one of our Tailor Model Sewing Machines with Formica and hope that this reaches the attention of Jack Alexander, Public Relations, Formica Corporation, Cincinnati, Ohio.

The table on which the machine is attached is constructed of wood and tends to splinter from continuous use by the operator's scissors, etc., and soon becomes a safety hazard. By covering with Formica, this trouble is

eliminated and makes a neater, lighter, smoother and safer finish. We are so pleased with this refinish that we would like to pass it on to you. Too, we would like for Jack to know that we respect the Formica trademark by giving it a capital "F."

FLOREINE V. CUMMINGS
Laundry Superintendent
V. A. Hospital
Tuscaloosa, Ala.

Likes Shirt Rental Idea

To the Editor:

This is in reference to the article on shirt rental in the July issue of STARCH-ROOM LAUNDRY JOURNAL. I found the article most interesting and it certainly offers food for thought.

I will appreciate it if you will forward whatever information you can, pertaining to this subject.

JOHN W. TIERNEY Sales Supervisor Avalon Laundry Company Chicago, Ill.

Laundry Manager's Holiday

To the Editor:

We wish to thank the judges for selecting our story as one of the Honor Winners, Your Parade of Progress Contest was very exciting, interesting and valuable. I hope there is another contest soon.

I have just returned from a vacation in Minnesota and had the privilege of visiting with a long time friend, Mr. Don Sable, laundry manager at the University of Minnesota in Minneapolis. The U of M plant is one of the most beautiful laundry plants that I have had the opportunity of touring. Mr. Sable and I also called on Mr. DuPont, laundry manager at the St. Barnabas Hospital, and Mr. Storm of St. Lukes Hospital, both located in the Twin Cities.

After returning to the beautiful city of Portland where I hope to see a

Let's Hear From You . . .

We welcome your inquiries, your views about every phase of the laundry industry, your problems and your solutions to problems. Address letters to:

The Editor

Starchroam Laundry Journal 305 East 45th Street New York 17, N. Y. laundry convention some day, I attended a very interesting meeting regarding basic materials to provide bacteriostatic linen and blankets, Chemicals such as quaternary ammoniums, phenols and mercurials were discussed. Mr. Paul Kurshner of San Francisco held the meeting in the offices of Patek & Co., here in Portland. All hospital LM's and pathologists were invited. I certainly was impressed with the valuable knowledge an LM can receive at meetings of this type.

I would like to know, Editor: Why a laundry manager waits an entire year for his vacation to get out of the laundry and then spends his free time touring laundries?

DONALD A, FULWILER Good Samaritan Hospital Portland, Ore.

Loyal 'Though Retired

To the Editor:

Just to prove that after almost nine months of retirement [from Huron Milling Co.] I still read the trade papers—including, of course, STARCH-ROOM, I'd like to say that I think you did a fine constructive job with your Parade of Progress Contest.

I was especially glad to note equal importance was laid on sales and production. Though, if you ask me, I think at the moment at least the laundry industry needs more sales to catch up with the productive capacity it already has. In all fairness, however, I think I should say that you had in mind increased production with what the industry already has to produce with in order to reduce costs and prices as well as improve quality and service.

What with Virginia's automobile accident last November, in which she suffered serious injuries, and our three weeks battle with some sort of virus we both picked up in Chicago during the AIL exhibit, we have had rather a rough eight months. But despite all this we are enjoying my retirement and will, I am sure, enjoy it more and more as time goes on.

We will probably see you and everybody in Atlantic City next spring and later in Washington for the LCATA meeting.

HARLOW H. GAINES 204 Church Street Boonton, N. J.



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1/1. George W. Kriegh, Pacific Coast Representative of TI e Ellis Drier Co., 1786 N. Spring St., Los Angeles 31, Calif.

The George W. Knegh, Facilic Coast Representative of the Ellis Drief Co., 1780 N. Spring St., Los Angeles 31, Calif.

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